

Careers in Water Activity Book



@EasternMuni
#TapInto



@RanchoWater

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Cemone Bell is a sixth-grade scholar at Calvary Murrieta Middle School. She is outgoing, confident, and funny. She enjoys theater, cheerleading, art, and most of all, animals. Her favorite places to go are the beach and Disneyland. She hopes everyone enjoys the activity book!



Andrea Benitez is an eighth-grade scholar at Vista Verde Middle School. She enjoys different environments, such as a classroom full of students to a wild forest. She realizes that all these environments cannot be without water. Therefore, she wants to praise workers in the water industry. She would also like to thank her teacher, Mr. Jimenez, for assisting her throughout this special writing project. She would also like to thank her peers.



Makayla Byrne is a sixth-grade scholar at Linfield Christian Middle School. She is a firm believer in Jesus Christ as her Lord and Savior. She loves spending time with her family and friends. In her spare time, she enjoys dancing, swimming, playing with her dog, and appreciates being outside.



Leona Garcia was born in 2008 and is an eighth-grade student at Vista Verde Middle School. She lives in Moreno Valley, California. She lives with her lovely family and her three cats.



Francine Habacon is an eighth-grade scholar at Vista Verde Middle School. She is passionate about the environment and the careers listed in this book. She aspires to become an Environmental Scientist. She thanks her mentor, Mr. Jimenez, and EMWD/RCWD for this opportunity.



Gregory Paunkov is a sixth-grade scholar at Linfield Christian Middle School. He loves to create things, or execute things that express his creativity. His favorite subjects in school are mathematics and science. Some of his hobbies include playing sports like baseball and basketball, and playing video games.



Bert Johnson has taught middle school, high school, and college students Physical, Life, and Earth Sciences for over a decade. Mr. Johnson most enjoys seeing students deepen their appreciation for the amazing world we live in and the impact of their decisions on that world. Mr. Johnson appreciates water districts for recognizing the prizewinning students' artistic explanations of how water is delivered safely while protecting the environment, and seeing them show us how they do that was a highlight of this year.



Mr. Juan Jimenez has been teaching for ten years and is a graduate of California Baptist University where he earned a Master's of Science degree in Teaching and a Single Subject Teaching Credential in English. Before that, he attended California State University, San Bernardino where he earned a Bachelor's of Art degree in English Literature. Mr. Jimenez also served six years in the United States Marine Corps and is an Iraq War Veteran, having served two combat deployments in 2004 and 2005. He lives in Yucaipa, CA with his six-year-old son Huxley and dog Reginald.

Acknowledgements

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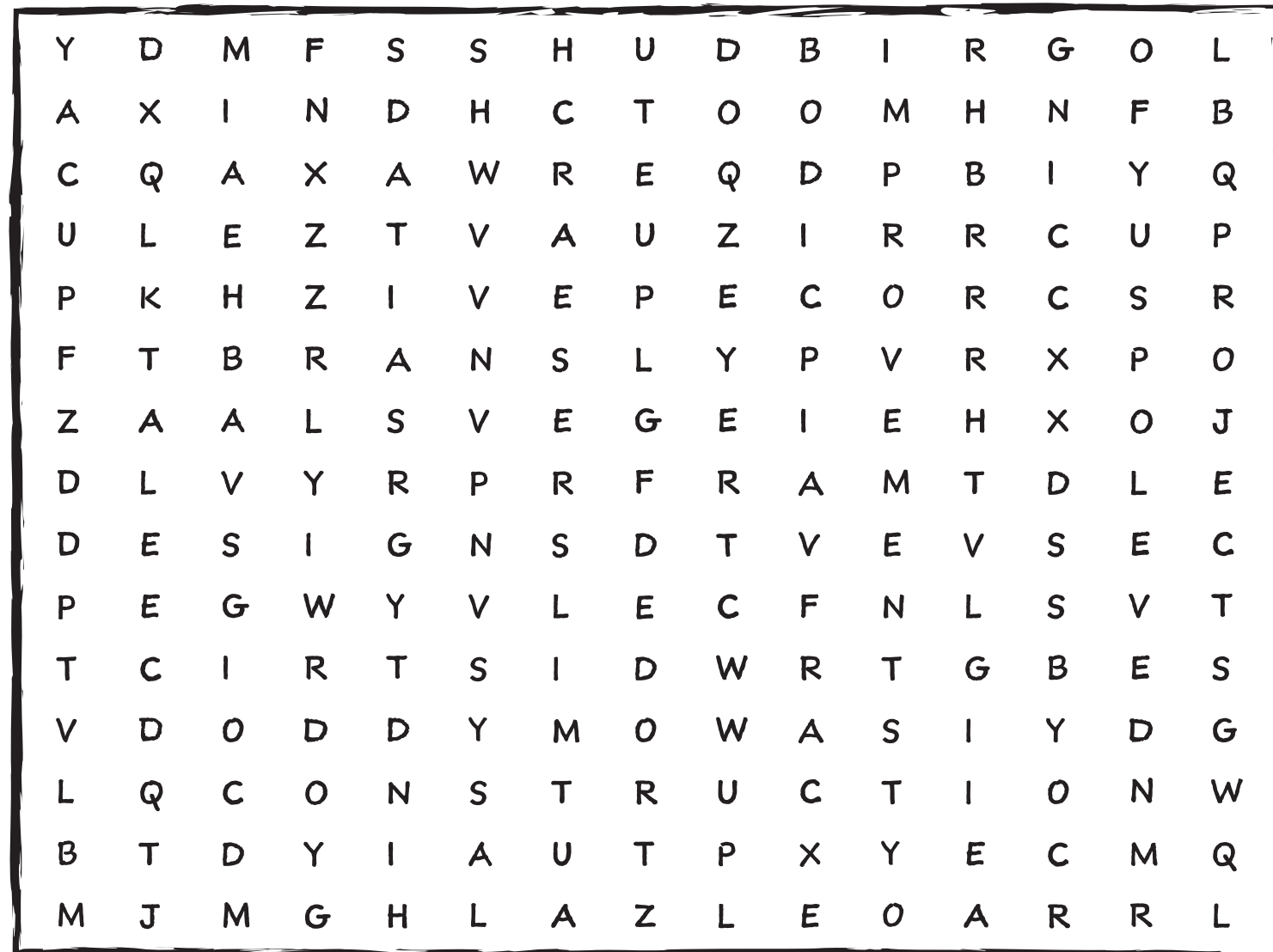


Associate Civil Engineer

Description: Performs complex professional engineering work in the research, planning, design, and construction of water, wastewater, and recycled water capital infrastructure, improvement, maintenance, and construction projects.

Experience: Four or more years in an engineering role.

Education: Bachelor's degree with coursework in civil, chemical, mechanical, structural, and electrical engineering.



Word Search Vocabulary

- Construction
- Develops
- Water
- Create
- District
- Projects
- Designs
- Improvements
- Research

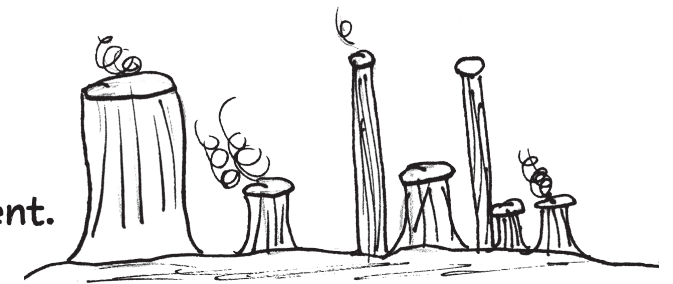
Student: Andrea Benitez

Warehouse Technician

Description: Performs a variety of warehouse duties including inventory maintenance, shipping and receiving, staging, and purchasing assistance.

Experience: Six to twelve months of warehouse experience, preferably in the water utility field.

Education: 12th grade completion or equivalent.

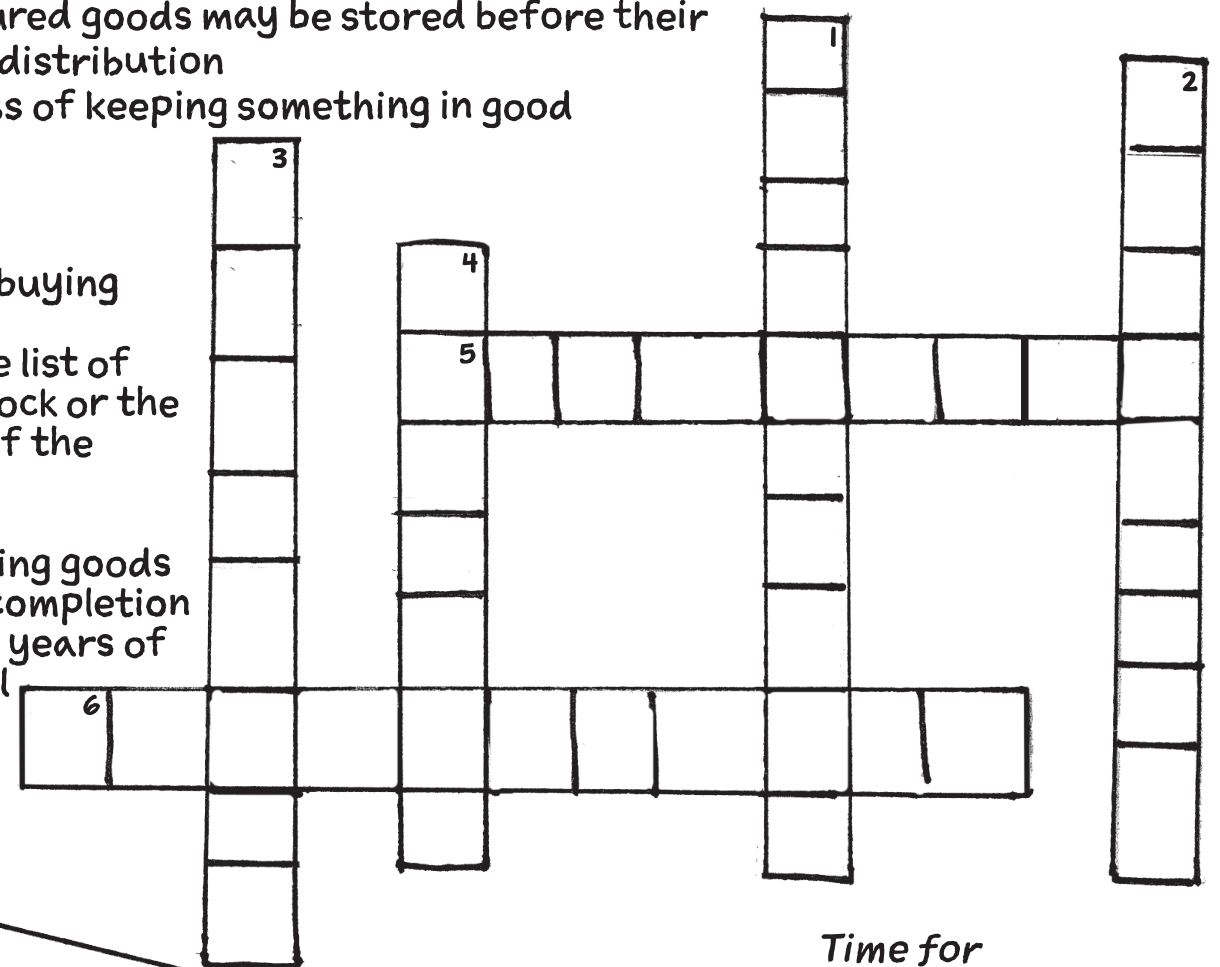


Across:

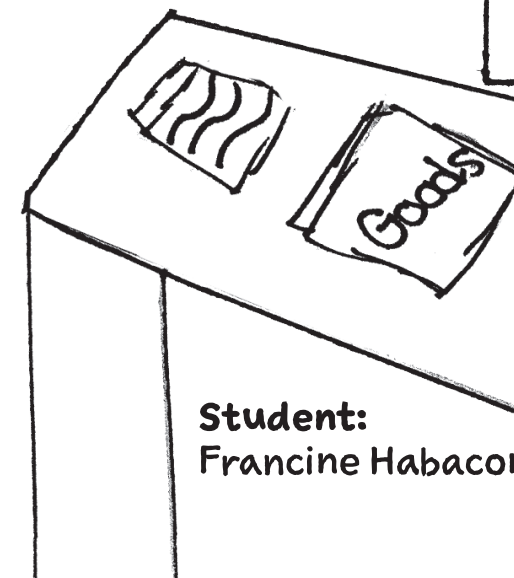
5. A large building where raw materials or manufactured goods may be stored before their export or distribution
6. The process of keeping something in good condition

Down:

1. The act of buying something
2. A complete list of items in stock or the contents of the building
3. The act of transporting goods
4. Grade of completion of the last years of high school



Time for warehouse duties!



Student:
Francine Habacon



Scientist

Description: Test water samples to determine water quality and makes sure every drop of water meets with the federal, state, and local requirements.

Experience: One year in prior scientific positions.

Education: Bachelor's degree in biology or related field.

Help Drippy color the scientist!

Drippy Fun Fact: Scientists work in a state-certified lab to make sure our water is clean and reliable.



Student: Leona Garcia

Building and Grounds Worker

Description: Performs regular building maintenance, including cleaning all facilities and general projects such as painting, basic plumbing and construction repairs.

Experience: 1-2 years of landscaping or general maintenance duties.

Education: 12th grade completion or equivalent.

Connect the Dots

Oh no! It looks like the Building & Grounds Workers have no paint for their upcoming project! Connect the dots to make the paint for them!



Student: Leona Garcia

Water Quality Supervisor

Description: Makes sure water quality is clean and safe, recommends water treatment ideas.

Experience: Three or more years of experience in water quality or a related field and two years supervisory experience.

Education: Bachelor's degree in environmental science or a related degree is desirable.

Connect the Dots



Student: Cemone Bell

Safety and Risk Officer

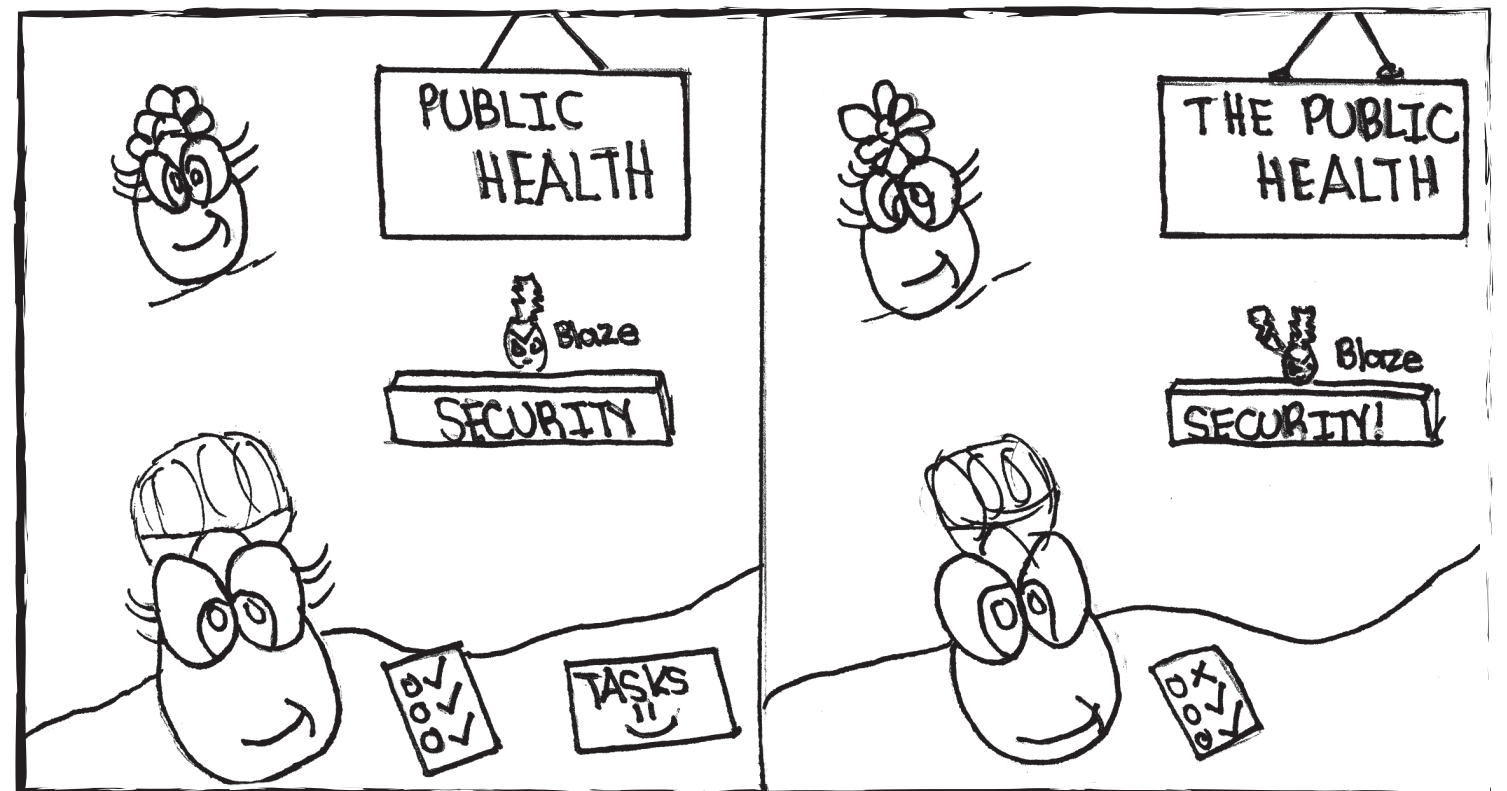
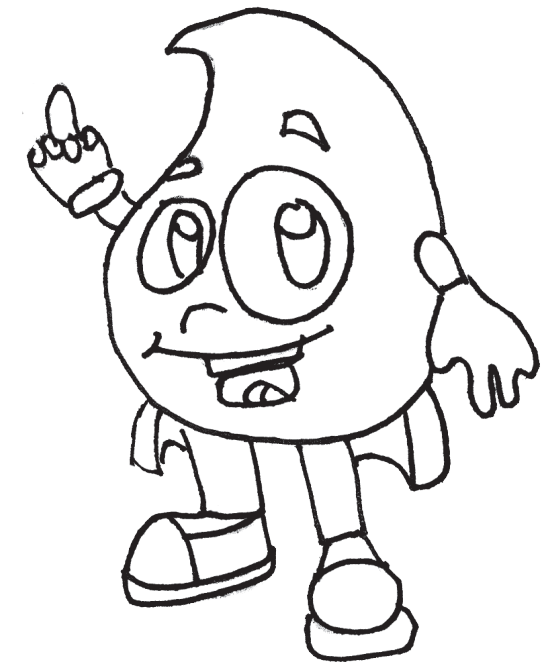
Description: Plans, develops, and implements the safety, health, security programs, policies and procedures for the District.

Experience: Four years in administrating risk and safety/security programs.

Education: Bachelor's degree in Occupational Safety and Health.

Spot the Difference!

Savvy, Bloomy and Blaze chose two photos. Yet something seems off... Help Drippy find the differences! Then color the photo so it is ready to be printed!



Student: Francine Habacon

Records Management Technician

Description: Support the District's Records Management programs by scanning, receiving, and maintaining retention of records, responding to Public Records Act Requests.

Experience: Two years in administrative positions.

Education: 12th grade completion or equivalent.

Color By Number

Key

- | | |
|---------|-----------|
| 1. Red | 5. Brown |
| 2. Skin | 6. Yellow |
| 3. Grey | 7. White |
| 4. Blue | |

Drippy Fun Fact

This water career (Records Management Technician) provides videos to educate the other employees on record keeping!



Conservation and Water Use Efficiency Analyst

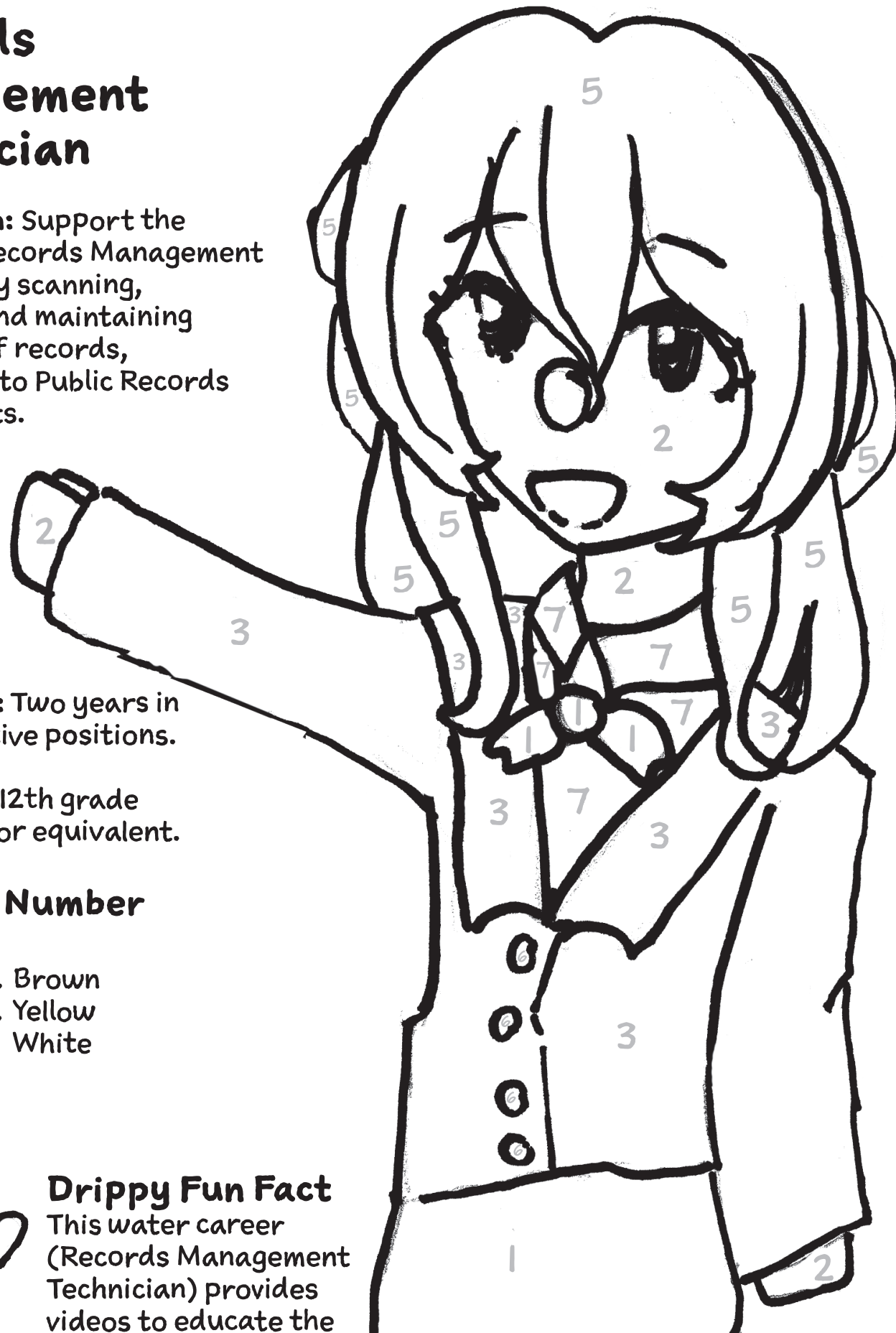
Description: Creates and manages major water conservation programs to help save water and works with customers on their water budgets.

Experience: Two years in a water savings program.

Education: Associate's degree in physical science or closely related field.

Create Your Own Career Professional

Student: Cemone Bell



Student: Leona Garcia

Wastewater Plant Operator

Description: Makes sure the wastewater facilities are up and running, routinely analyzes water quality.

Experience: One year of experience performing plant and equipment operations duties in a water reclamation plant.

Education: 12th grade completion or equivalent.

Word Scramble

- ETWAR _____
- EMCANHIC _____
- MSPPU _____
- OEAETRP _____
- LALISTN _____
- GEIDNWL _____
- CGUNITT _____
- TSOOL _____
- ERNTMATTE _____
- ANPTL _____

- KEY:**
- CUTTING
 - WATER
 - TOOLS
 - OPERATE
 - PUMPS
 - INSTALL
 - WELDING
 - TREATMENT
 - PLANT
 - MECHANIC

Student: Cemone Bell

Purchasing Agent

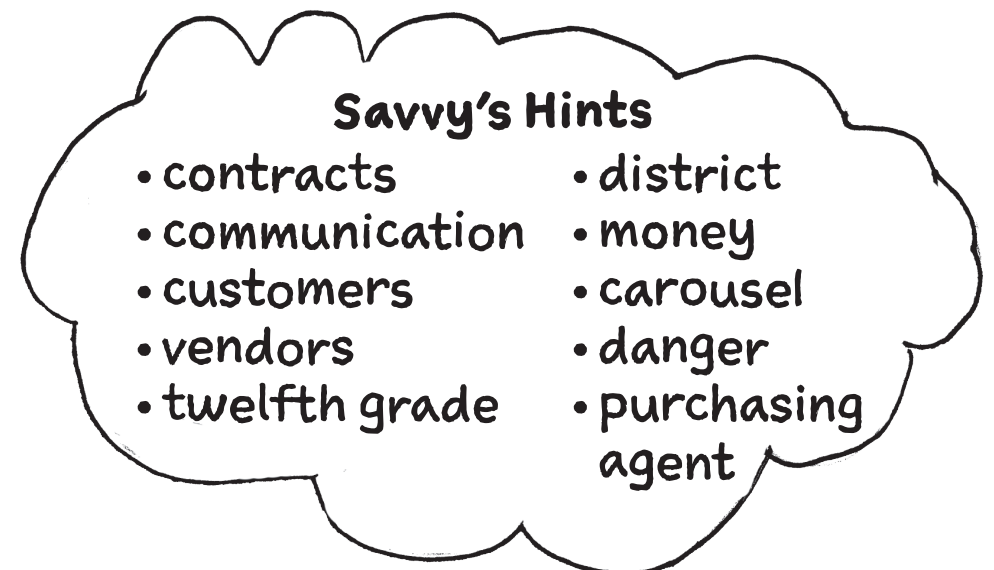
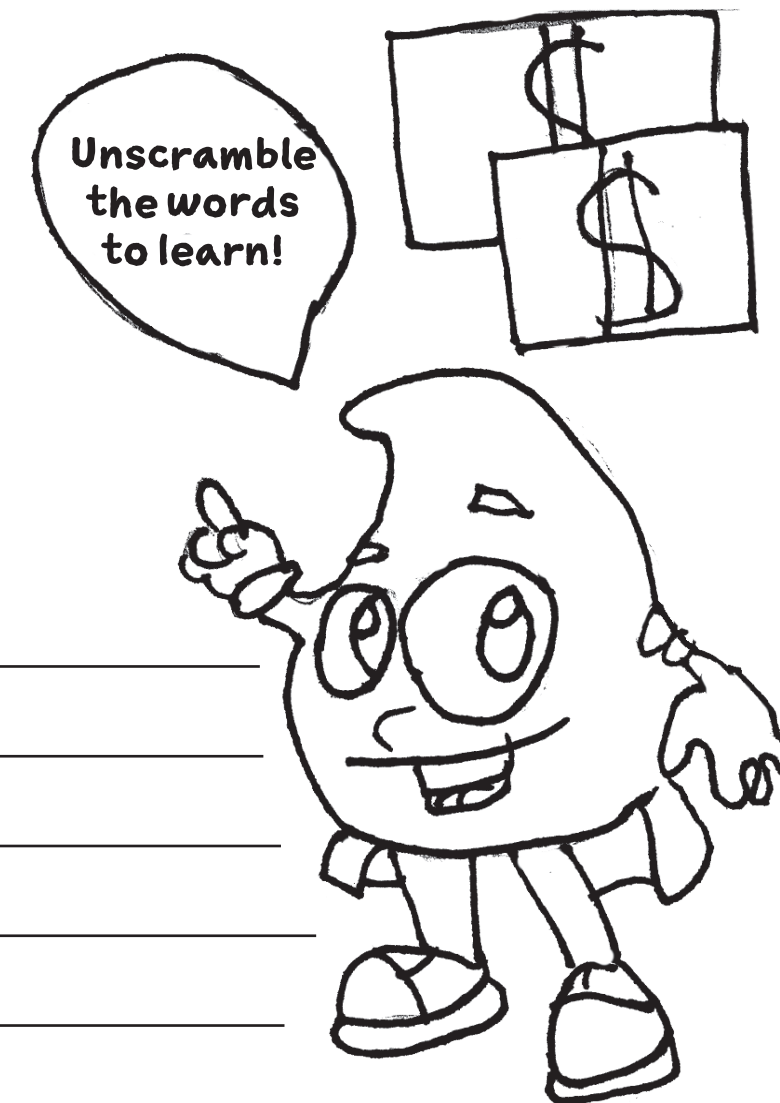
Description: Purchases items to help the District and communicates with vendors.

Experience: One year in the purchasing field.

Education: 12th grade completion or equivalent.

Scramble

- cnaotrsc _____
- nmomincoutac _____
- uermcost _____
- nrosvde _____
- ttflhw garde _____
- irtsdcti _____
- aisgurnpch gaetn _____



Student: Francine Habacon

Public Affairs Manager

Description: Manages, plans, organizes, directs, and implements the District's overall communications and outreach programs such as media relations, community engagement, and education.

Experience: Five years of experience in public affairs.

Education: Bachelor's degree in public relations, communication, education, marketing, journalism, or a related field.

Oh no! Help Drippy find the words!



Words: public affairs • water district • education • manager • biology • news

Student: Leona Garcia

Operations and Maintenance Technician

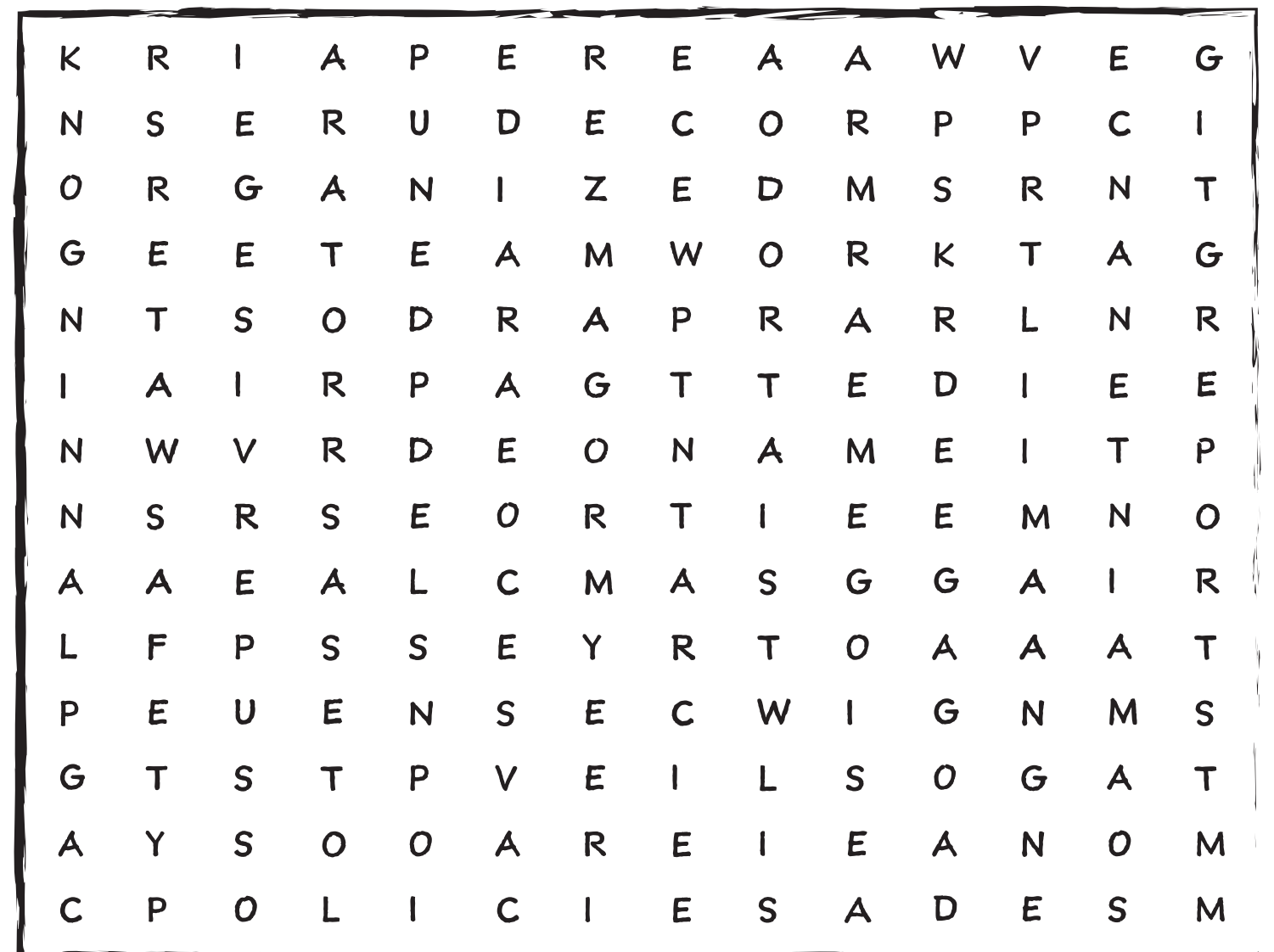
Description: Supervises and participates in administrative services and activities. Makes work methods and procedures and provides training and guidance.

Experience: Three to five years in an operations and maintenance role. One year of supervisory experience.

Education: 12th grade completion or equivalent.

Word Search Vocabulary

- RECYCLED
- WATER
- ORGANIZED
- TOOLS
- REPAIR
- REPORTS
- SAFETY
- OVERSEEING
- TREATMENTS
- OPERATIONS
- PLANNING
- MANAGING
- MAINTENANCE
- PROCEDURES
- POLICIES
- SUPERVISE
- TEAMWORK



Student: Cemone Bell

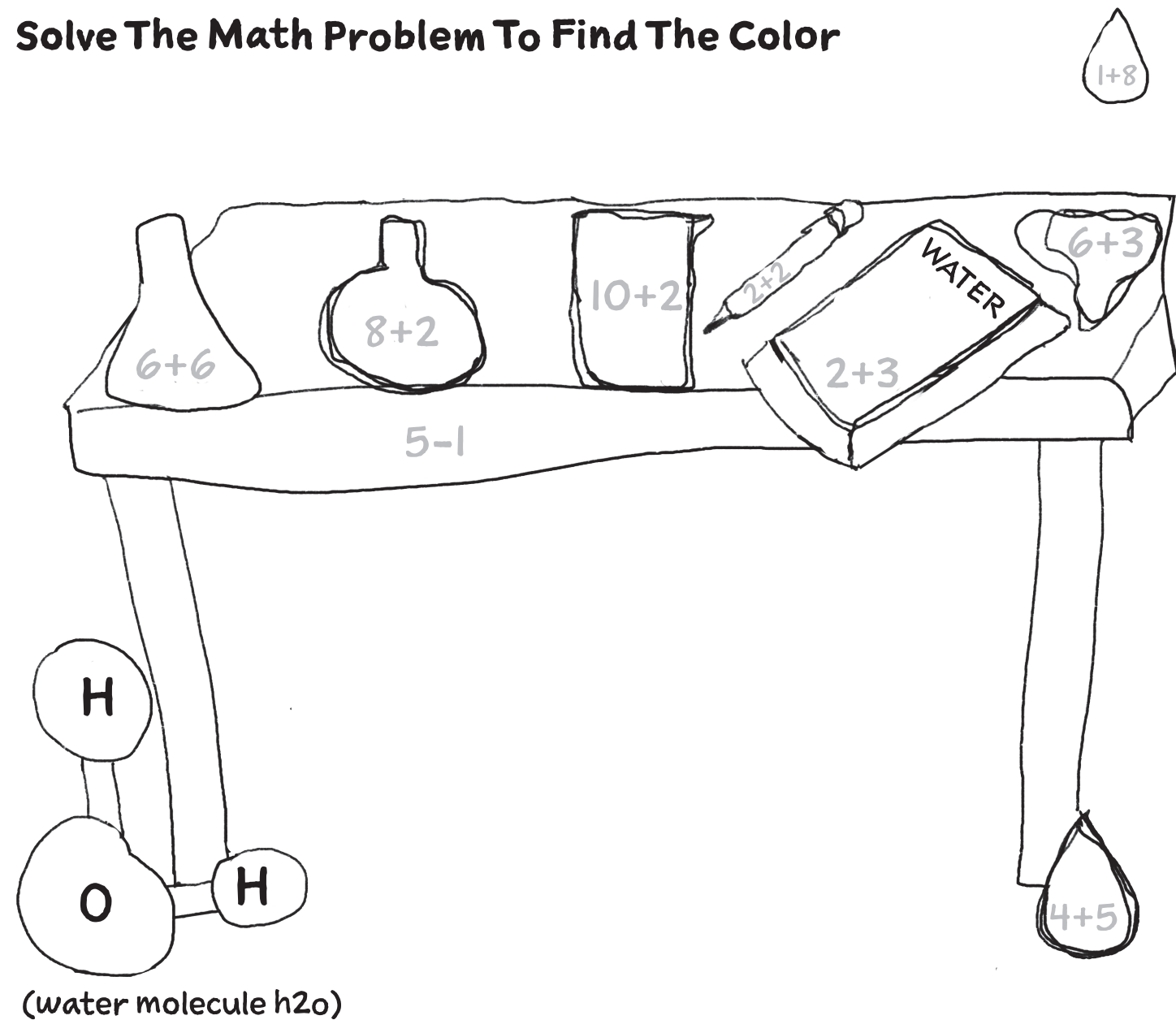
Laboratory Technician

Description: Takes samples and analyzes water throughout the District's service area.

Experience: One year in a water utility lab.

Education: College level coursework in biology or related fields.

Solve The Math Problem To Find The Color



6 = purple 10 = red 9 = blue
 12 = green 4 = yellow 5 = orange

Student: Cemone Bell

Pipeline Construction Utility Work

Description: Installs, constructs, and repairs the District's water mains and service lines.

Experience: One or more years in utility or public works related maintenance and construction.

Education: 12th grade completion or equivalent.

Create Your Own Career Professional

Example: Such workers use safety hazard equipment. Give this worker a safety hat/hard helmet.



Student: Andrea Benitez

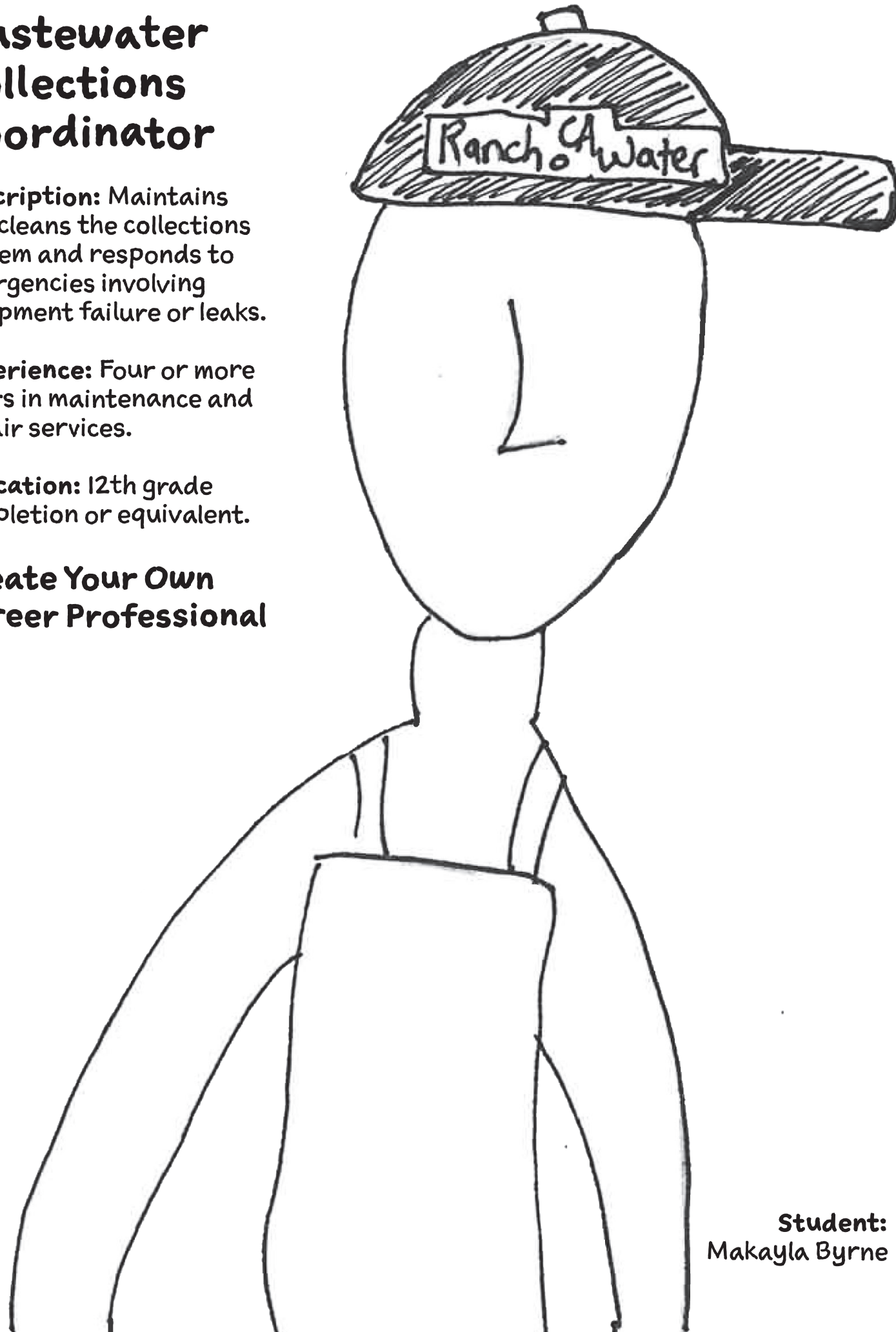
Wastewater Collections Coordinator

Description: Maintains and cleans the collections system and responds to emergencies involving equipment failure or leaks.

Experience: Four or more years in maintenance and repair services.

Education: 12th grade completion or equivalent.

Create Your Own Career Professional



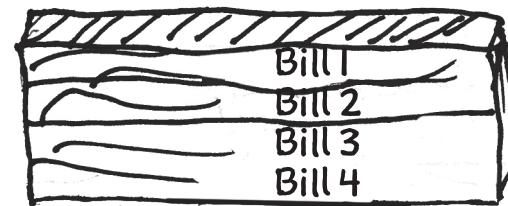
Student:
Makayla Byrne

Customer Service Representative

Description: Performs customer service and billing tasks using multiple platforms while also answering and solving account questions and problems. Additionally, this role will submit emergency and non-emergency requests for field service orders.

Experience: At least one year of general accounting and/or clerical customer service and billing experience.

Education: 12th grade completion or equivalent.



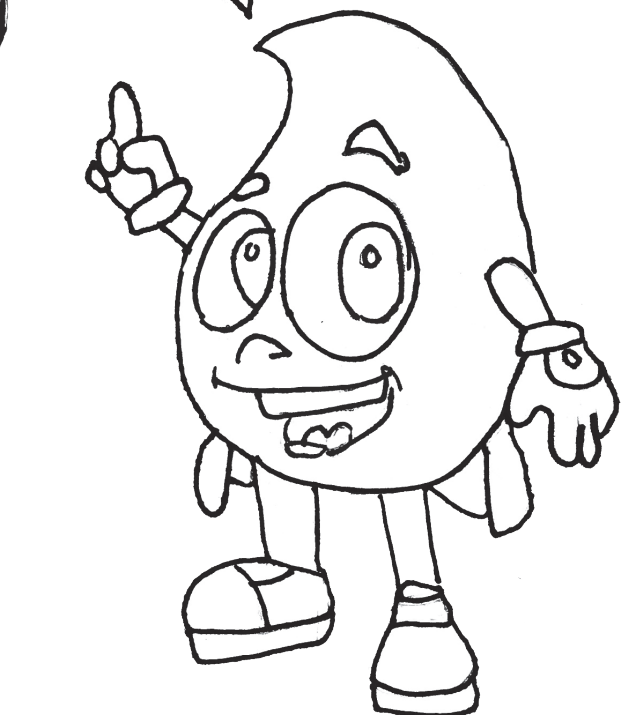
Savvy's Tasks!

After one year of experience in general accounting and clerical customer service.

I got this!

!!!EMERGENCY
@Savvy:
Fr: Drippy Solve and answer account questions, problems
SUBMIT!
Emergency and non-emergency requests for field orders

Savvy! You must perform customer service and bill tasks!



Student: Francine Habacon

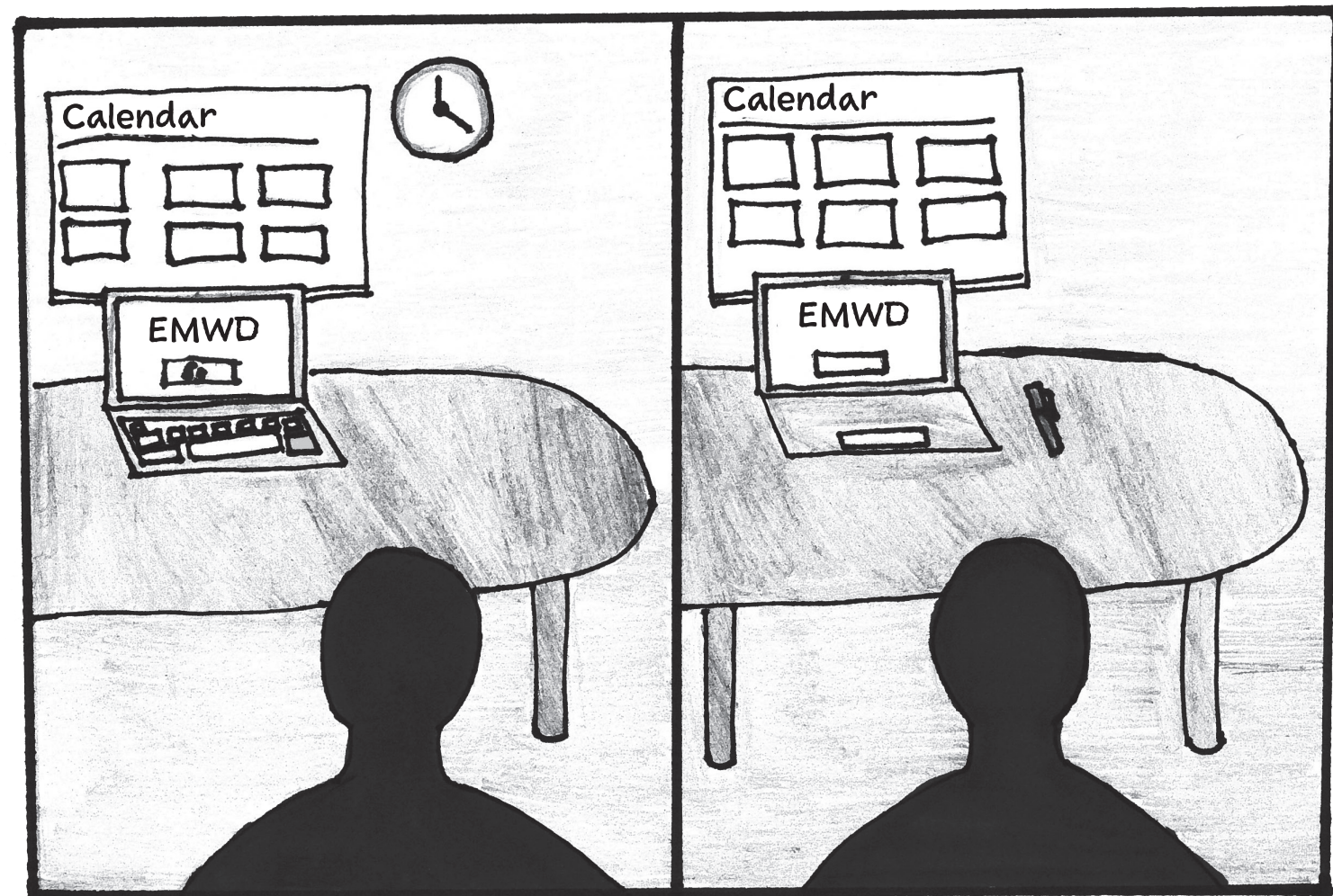
Cybersecurity Engineer

Description: Teaches others about online safety and secures the District's network from intruders.

Experience: Five years of cybersecurity experience and two years of mobile device experience.

Education: A Bachelor's degree with major coursework in information technology, computer science, cybersecurity, or a closely related field.

Spot the Difference



Key: clock, pen, table leg, keyboard, computer screen

Student: Andrea Benitez

Water Reclamation Plant Operator

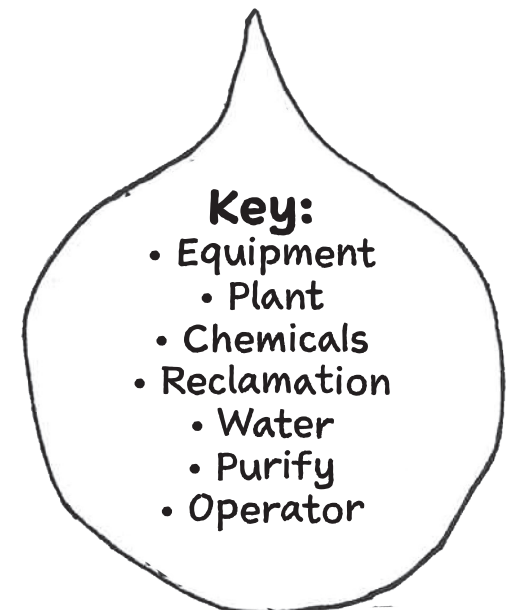
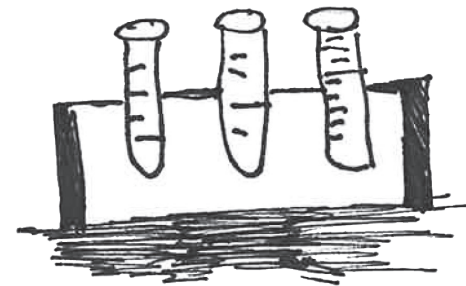
Description: Makes sure equipment is in good condition and helps add chemicals to purify water.

Experience: One or more years of experience in water reclamation.

Education: 12th grade completion or equivalent and water treatment certifications.

Word Scramble

- INROECLTAMA _____
- TRWEA _____
- RYFUPI _____
- RAOPRETO _____
- LTNAP _____
- LHCMSAIEC _____
- NMTEQUEPI _____



Student: Makayla Byrne

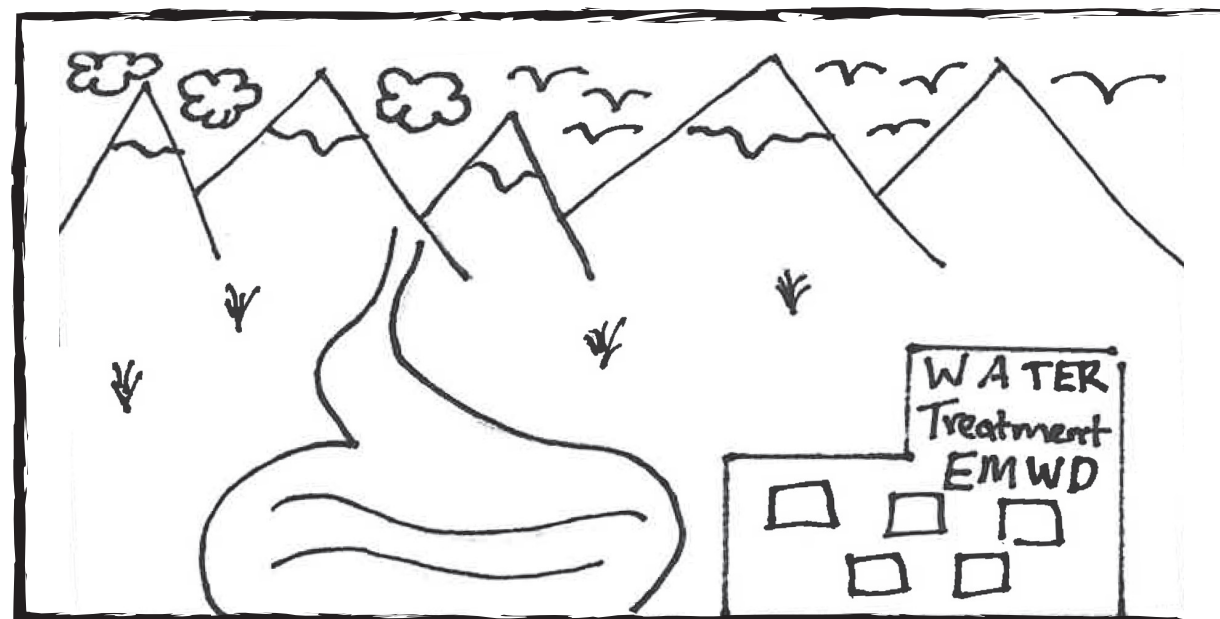
Water Treatment Operator

Description: Takes samples of water to measure chlorine and chemical levels, maintains the District's water distribution system and water filtration plants.

Experience: Two or more years of experience in construction or public works, preferably performing water operations.

Education: 12th grade completion or equivalent and water treatment certifications.

Find the Differences



Student: Makayla Byrne

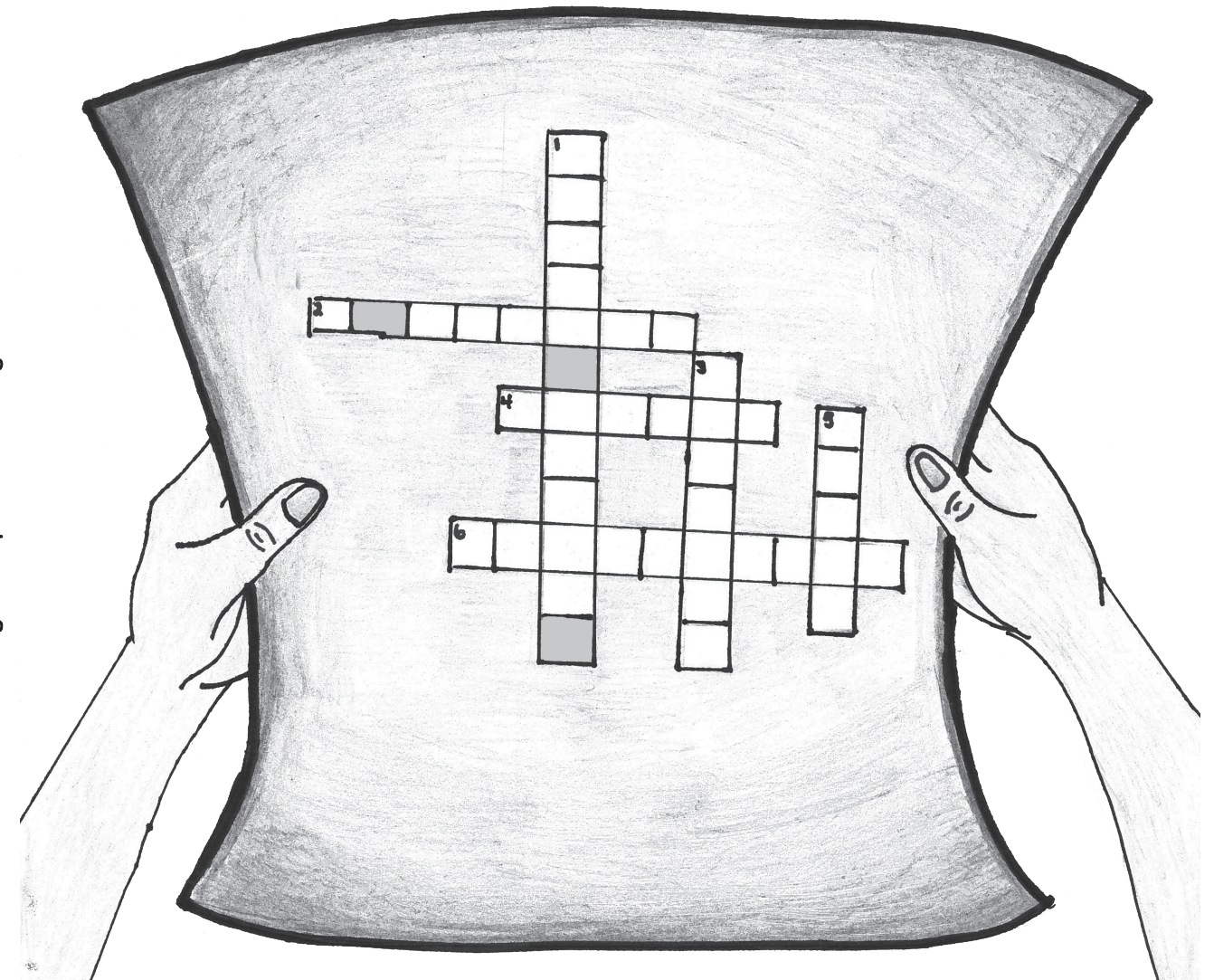
Director of Water Operations

Description: Leads and creates plans for the Water Operations team. Reviews the costs of plans before implementing them.

Experience: Ten years of management experience.

Education: Bachelor's degree in civil engineering or related field.

Key: 1. improvements 2. develops 3. reviews
4. degree 5. plans 6. management



Across:

- 2. A water operation director _____ operating plans and programs.
- 4. Bachelor's _____ in civil engineering or related is necessary for this job.
- 6. Ten years of _____ experience is needed.

Down:

- A Director of Water Operations has to develop and maintain continuous _____.
- 3. The Director of Water Operations _____ the cost of plans.
- 5. The Director of Water Operations reviews the cost of _____ before implementing them.

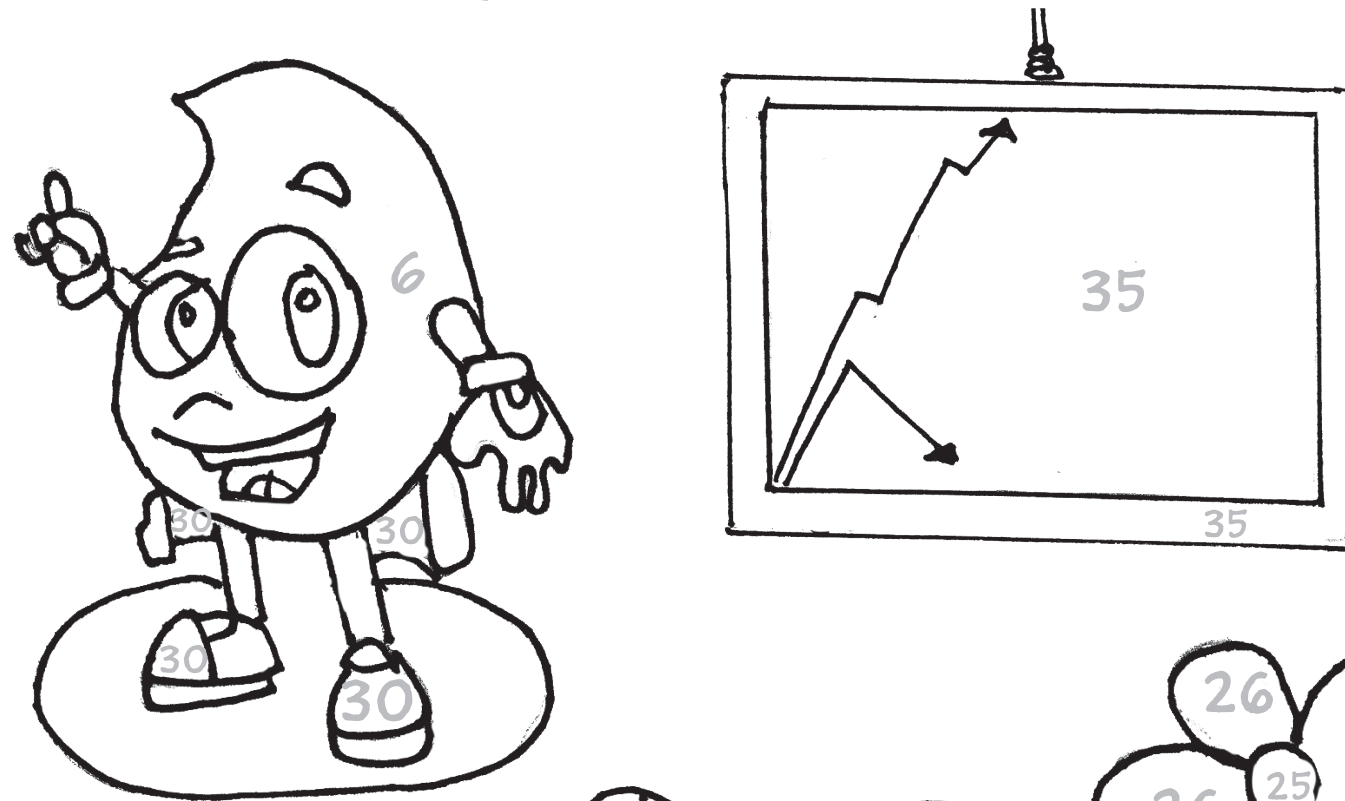
Student: Andrea Benitez

Financial Analyst

Description: Analyzes data and helps departments develop budgets to save the District and the community money.

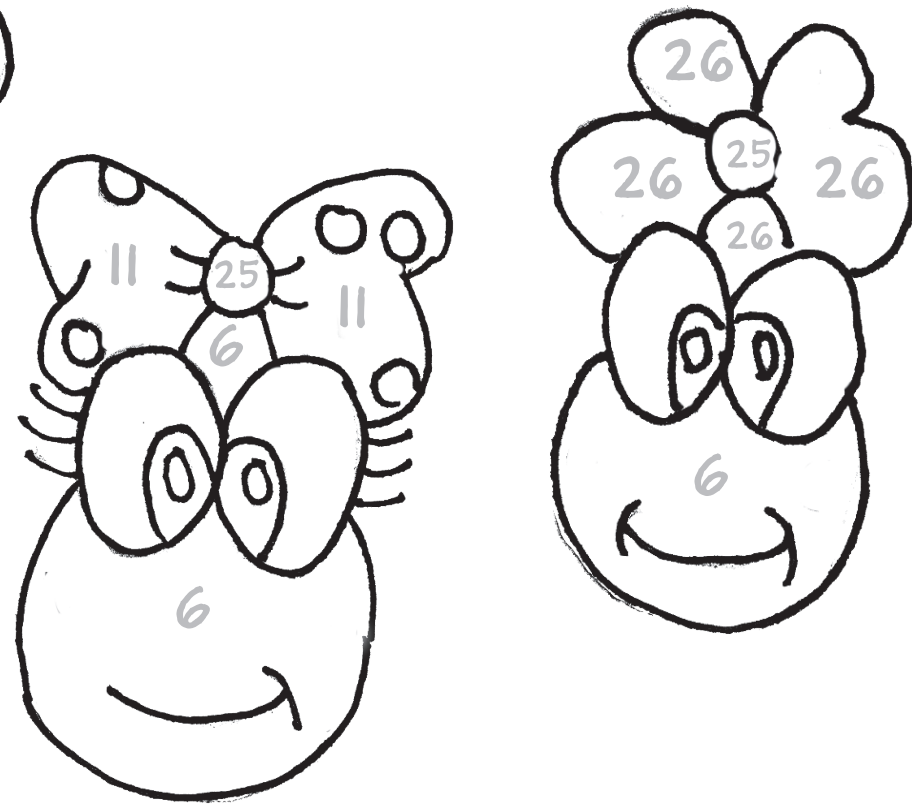
Experience: One or more years in a professional financial position.

Education: Bachelor's degree in finance or a related field.



- 3+3 =
- 5+21=
- 4+7=
- 20+5=
- 420-385=

Key:
 6= blue
 11 = pink
 25= yellow
 26= purple
 30 = red
 35= green



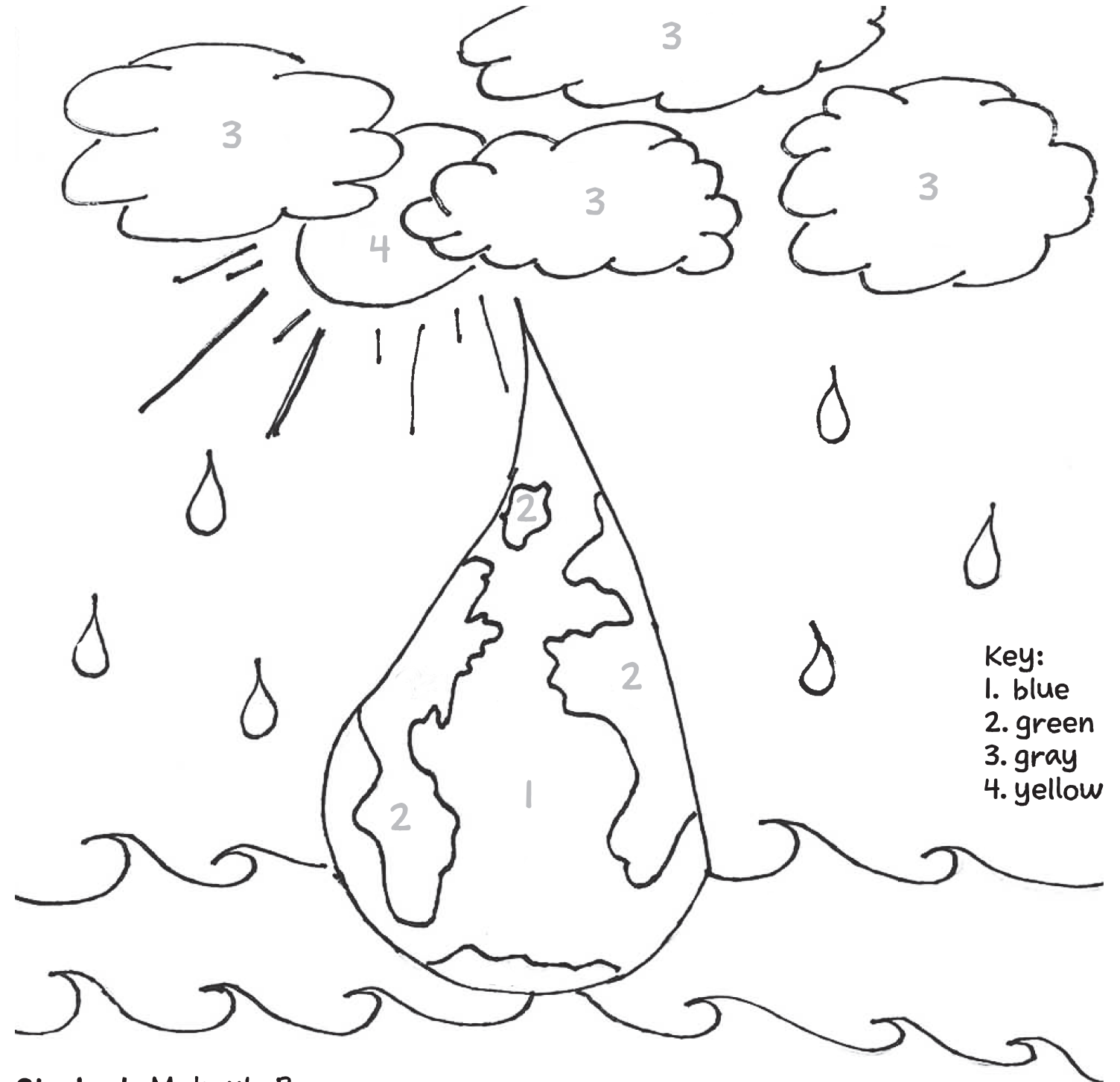
Student: Francine Habacon

Engineering Manager

Description: Manages the engineering team and represents the District when creating new plans for future projects.

Experience: Ten or more years experience in design and engineering.

Education: Bachelor's degree with coursework in civil, chemical, mechanical, structural or electrical engineering.



Key:
 1. blue
 2. green
 3. gray
 4. yellow

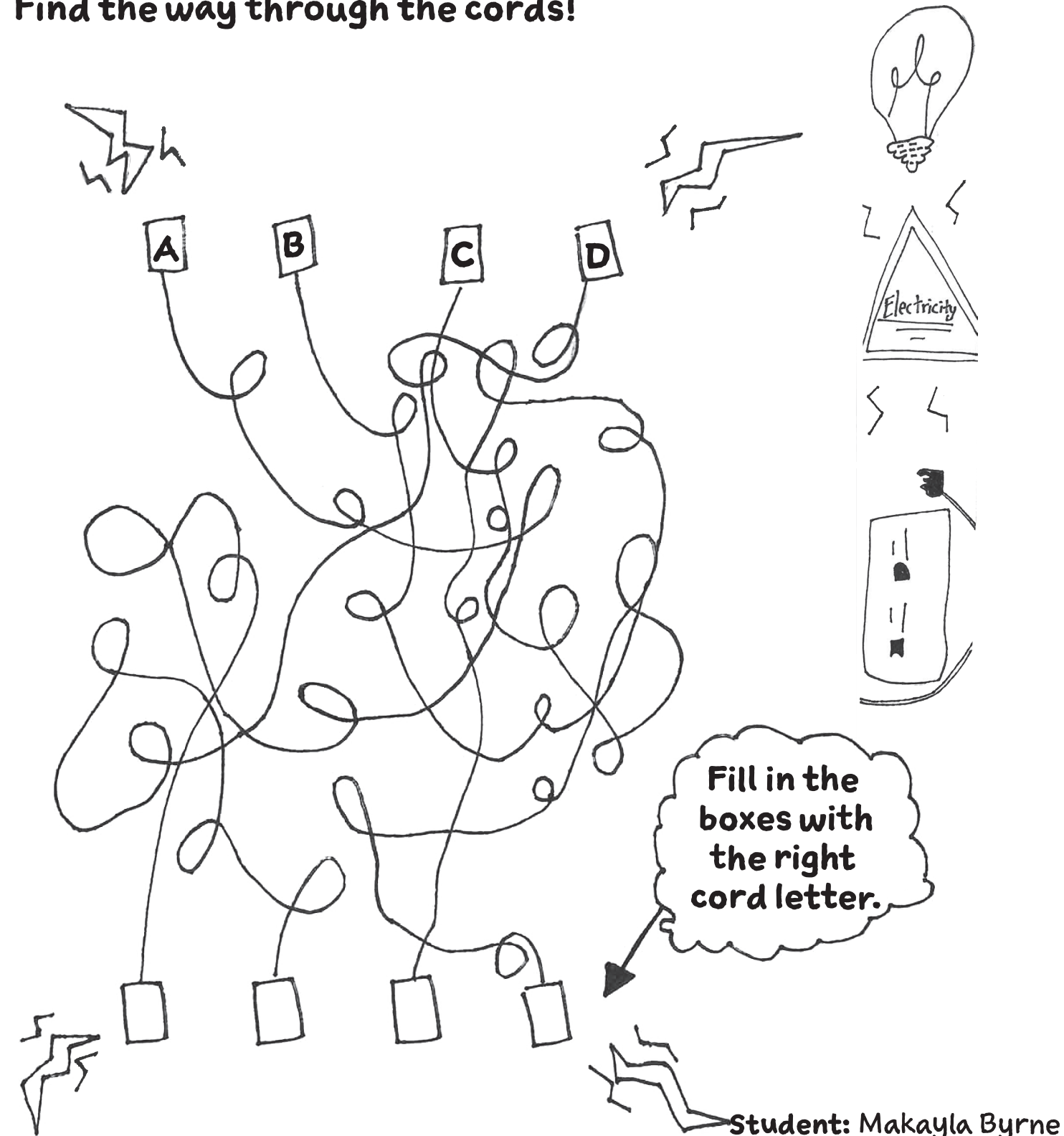
Student: Makayla Byrne

Electrical Services Supervisor

Description: Leads the electrical services team during electrical work and makes sure all electrical items are safe to use.

Experience: Six or more years in electrical work and two years as a supervisor.

Find the way through the cords!

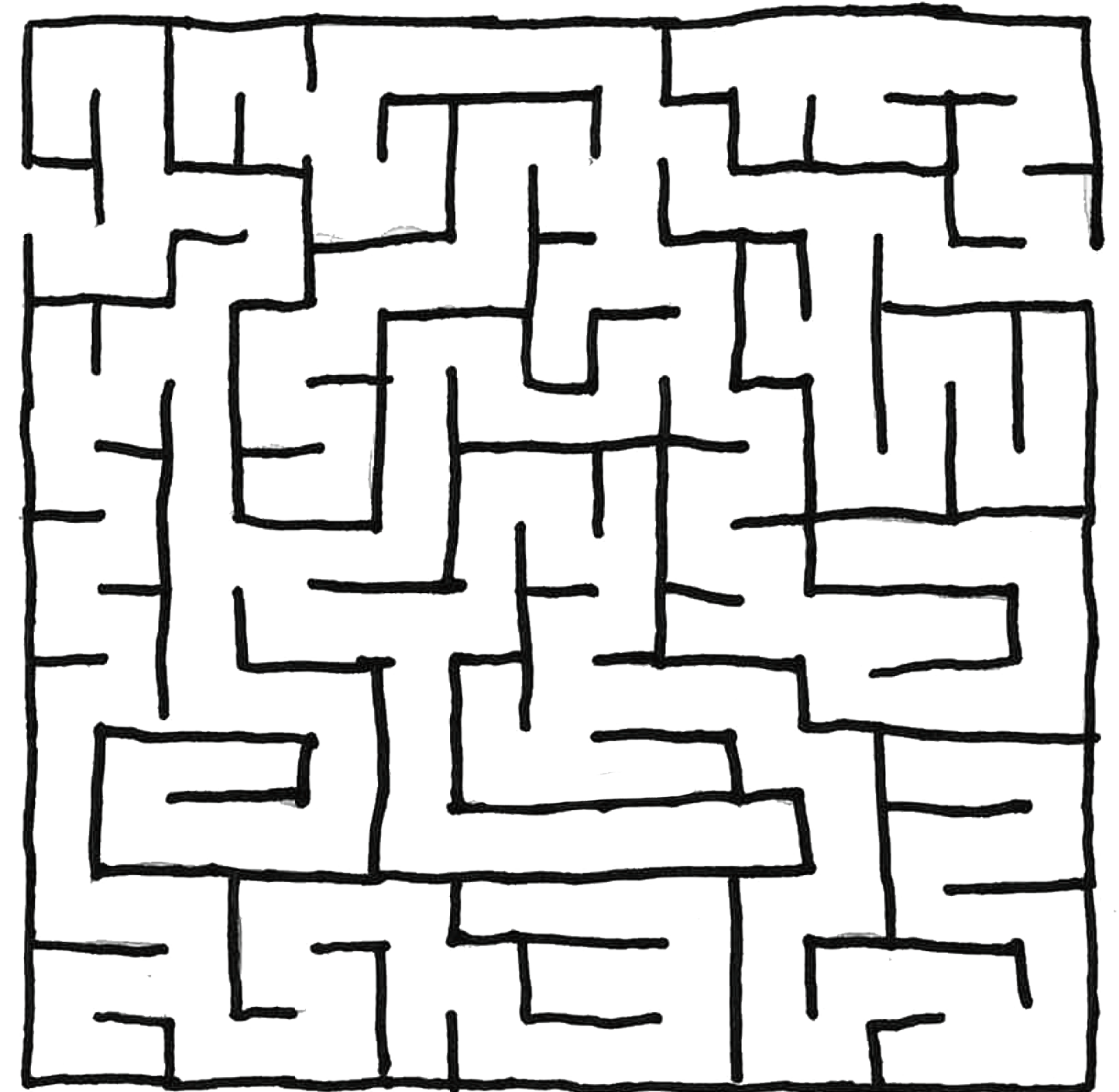


Well and Pump Foreman

Description: Leads a team to perform maintenance and repair duties. Researches and tests wells, pumps, and motors to make sure they work.

Experience: Three years of experience as a Pump and Well Technician with a public utility.

Education: Water technology certifications.



Student: Gregory Paunkov

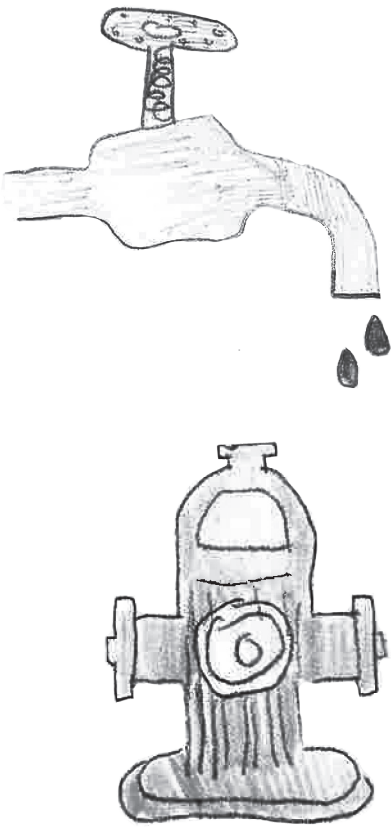
Utility Maintenance Operator

Description: Maintains and repairs hydrants, air-vacuums and other items and works with all types of water valves.

Experience: One or more years of maintenance experience, preferably with a public utility.

Education: Water Distribution Certification.

HYDRANT • WATER • UTILITY • VALVES



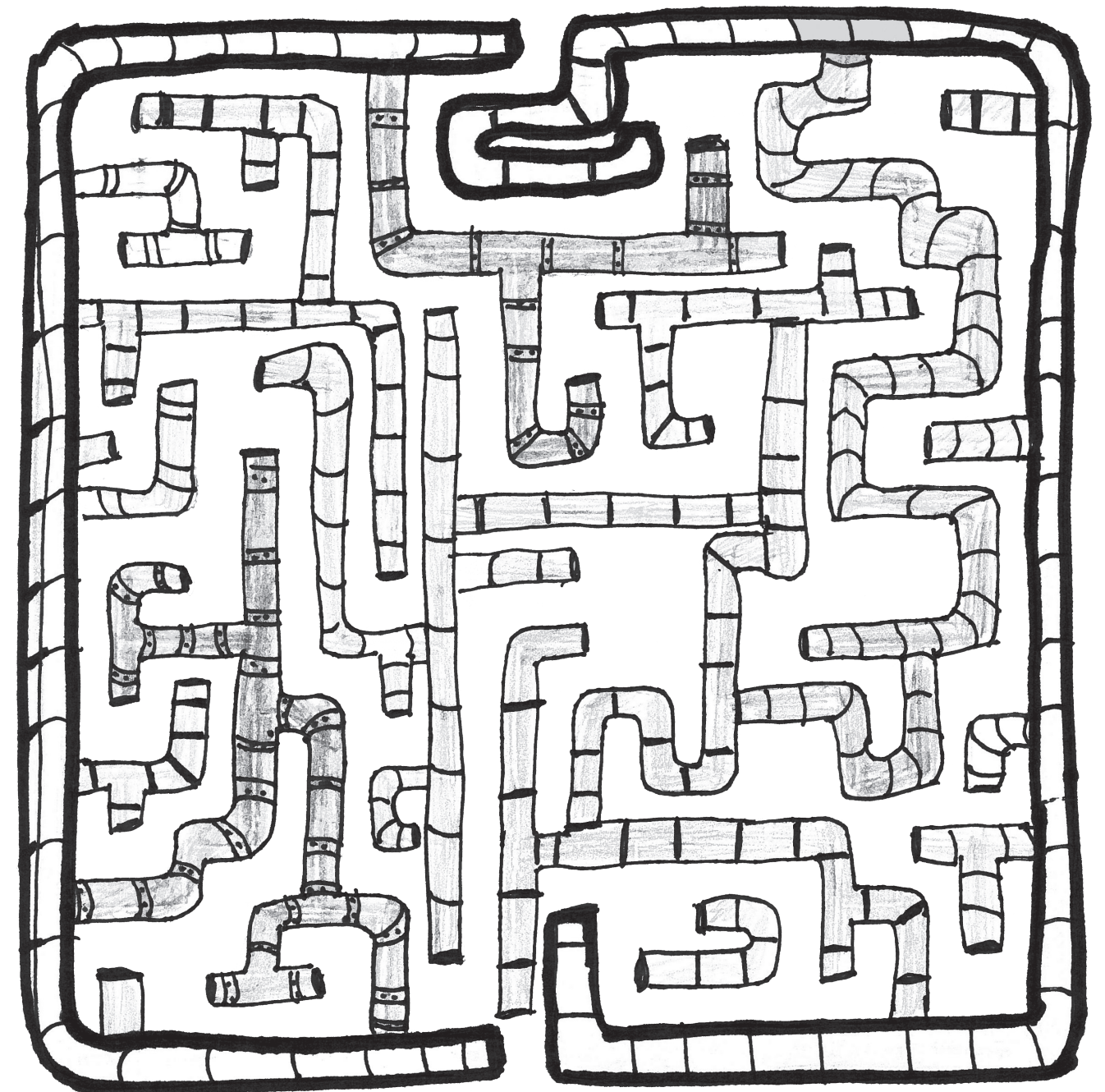
Student: Gregory Paunkov

Industrial Engine Technician

Description: Performs a wide variety of skilled duties in the inspection, diagnosis, troubleshooting, overhaul, redesign, maintenance, repair and servicing of large industrial engines.

Experience: Two years of skilled experience with troubleshooting, maintenance and repair of large engines.

Education: 12th grade completion or equivalent.



Student: Andrea Benitez

Human Resources Analyst

Description: Helps with hiring new employees, and training and developing employees.

Experience: Three years in prior Human Resources programs.

Education: Bachelor's degree in Human Resources or a related field.

Word Scramble

Help Drippy unscramble the words!

1. ytlasna _____

(hint: job description)

2. erhte _____

(hint: years of experience is usually needed)

3. raclebho _____

(hint: a ___'s degree)

4. uhamn _____

(hint: job title)

5. irnhgi _____

(hint: job description)



Student: Leona Garcia

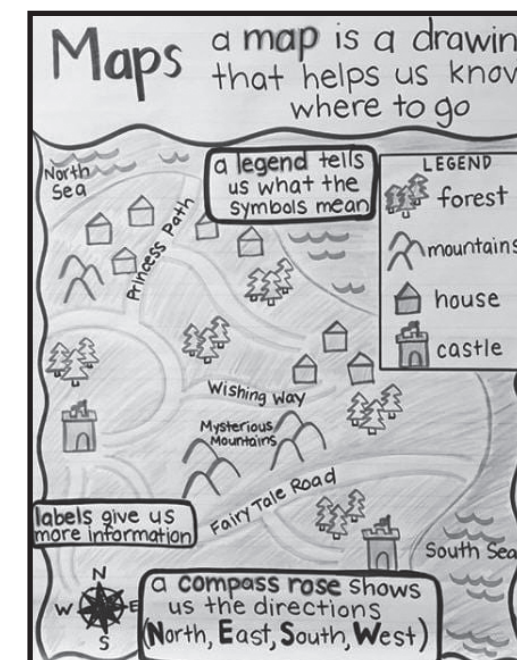
Water Resources Planner

Description: Gather water use data from customers to help save water and plan where the District will use water.

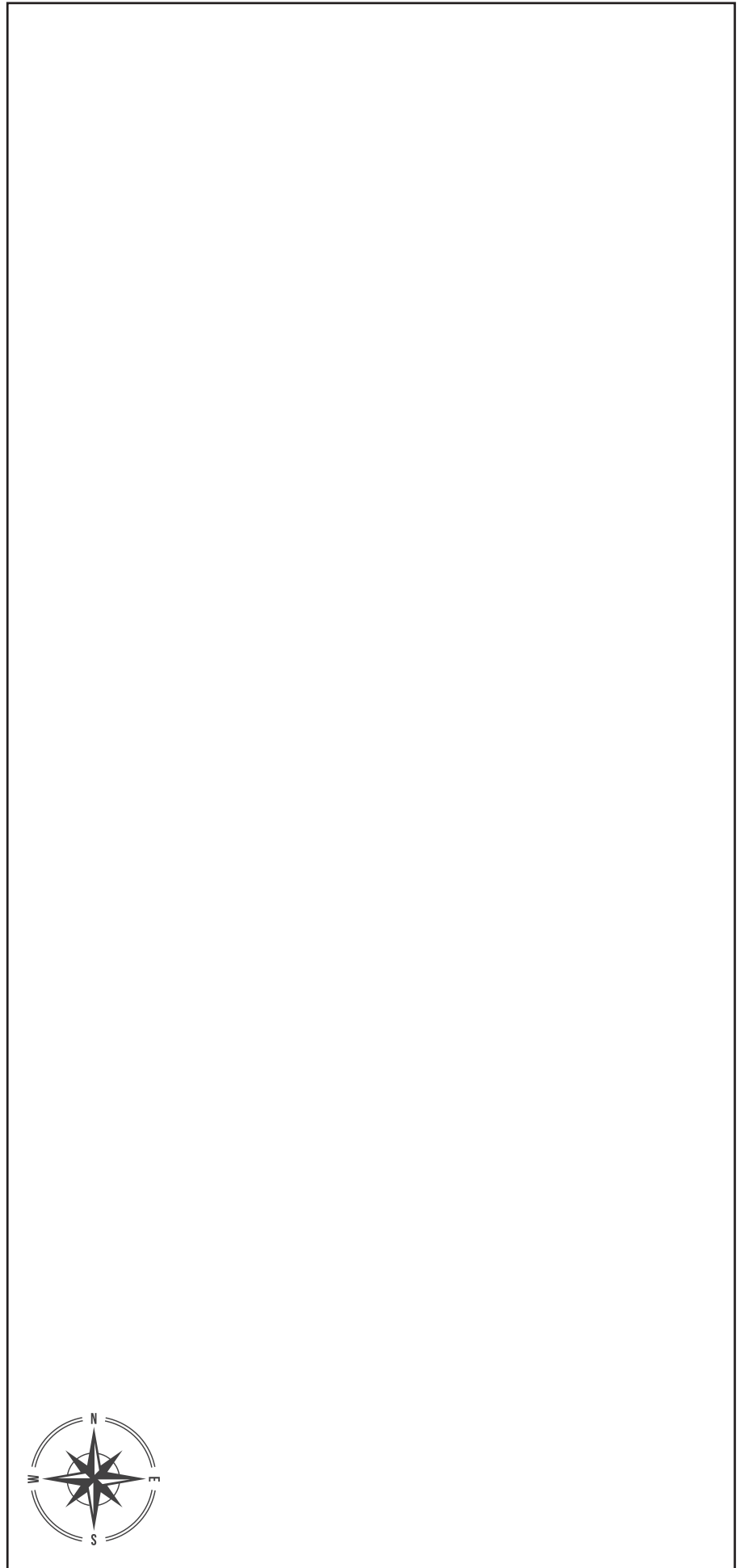
Experience: Three to five years of full-time professional experience related to water use efficiency.

Education: Bachelor's degree in business administration or related field.

Draw a map with a legend and labels of the street you live on, a favorite park, your classroom or anything you would like!



Student: Gregory Paunkov



Water Systems Analyst

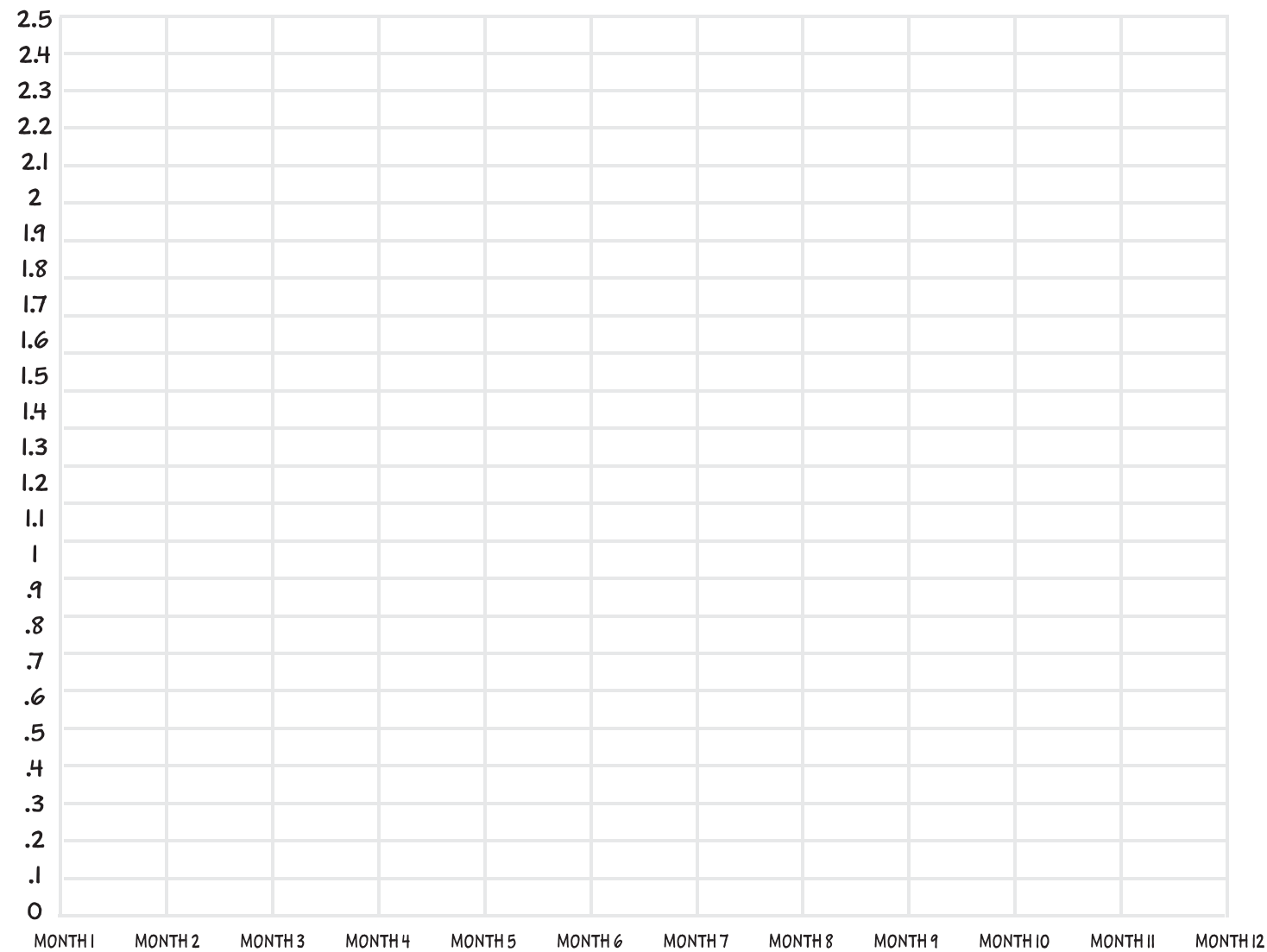
Description: Collects data, predicts trends, performs other technical analysis, and supports the water operations team with research.

Experience: Three years in the water operations field.

Education: Bachelor's degree in water resources or a closely related field.

Data Collecting and Line Graph

Research the precipitation amounts in inches per month for the last 12 months. Place a dot on the graph that corresponds with the month and the total amount of precipitation for that month. Connect the dots to see the data presented in a graph.



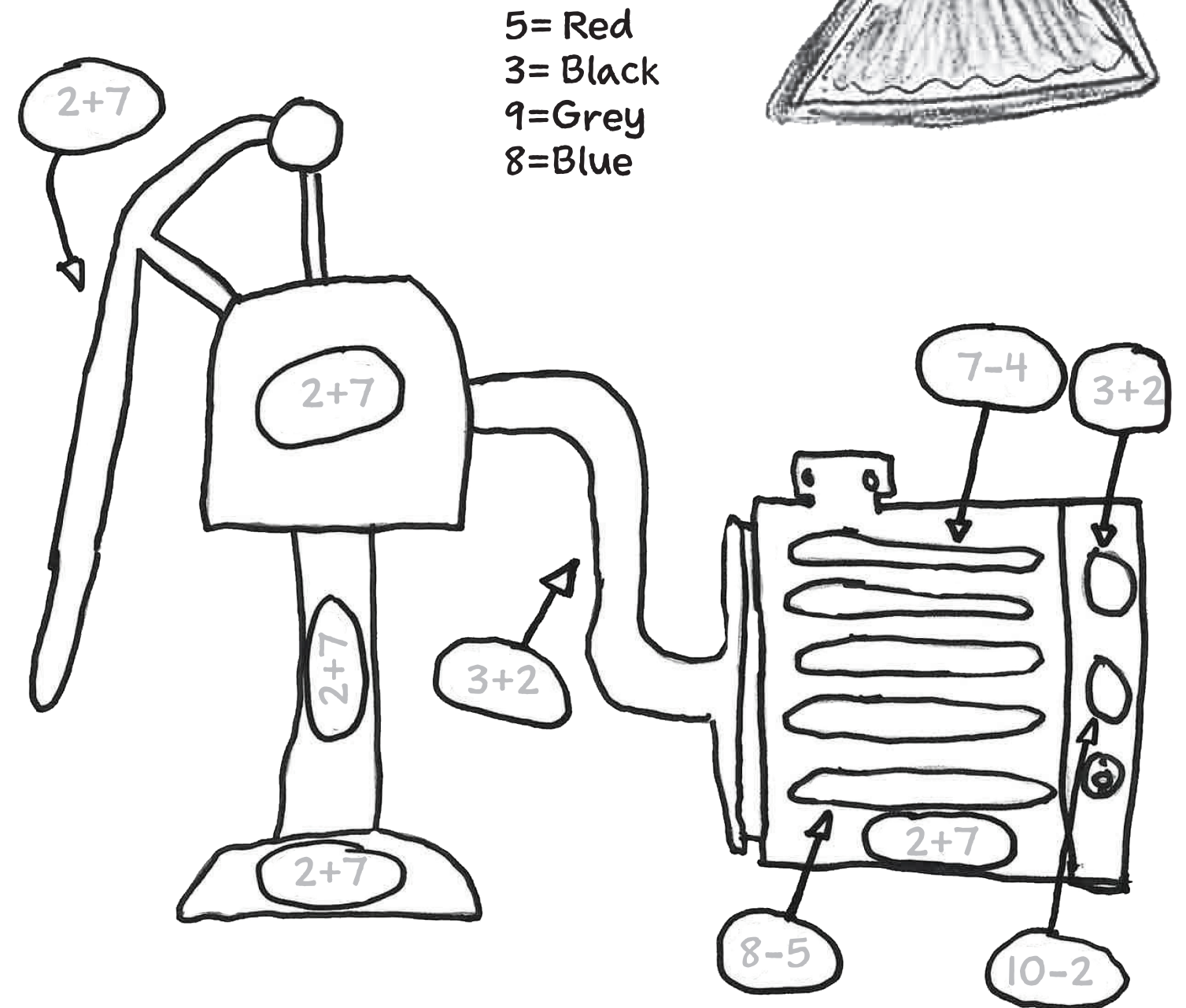
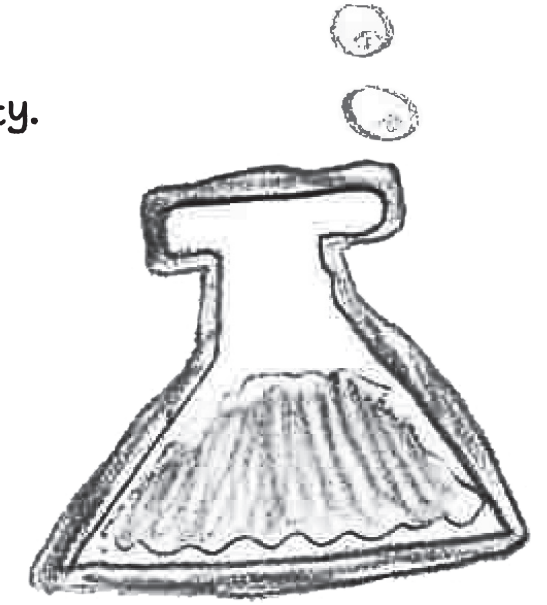
Student: Gregory Paunkov

Corrosion Control Technician

Description: Collects data from corrosion tests stations to see if they need to be fixed or replaced.

Experience: One or more years with a public utility.

Education: 12th grade completion or equivalent.



Student: Gregory Paunkov