

Middle School SCAVENGER HUNT!

Name _____

Answer the questions below. You may work with a partner or by yourself.

You may need to skip around the hall to open exhibits.

NOTICE! All exhibits are labeled. You can find the name of an exhibit by looking on top of it or along the side of it. Hints are provided on this sheet for finding exhibits if you do the scavenger hunt in order.

Section 1: Water, Water Cycle, and Watershed

A watershed is a geographic area where all water drains to a common water body, such as a river, lake, or ocean. You live in the Boise River watershed!

Find the Boise River Watershed map on the wall (Hint: Look to your left.)

Look at the large land area that makes up our watershed. Find the Boise River, which runs along the entire length of the watershed.

Which river does it drain into along the Idaho/Oregon border? _____

Look at the facts around the watershed map in yellow lettering. Answer the following questions by reading these facts:

What is the Boise Project?

What limits the water quality in the Lower Boise River?

What year was Arrowrock Dam built?

What are the major sources of water for our watershed?

How does mining affect our rivers and streams?

Find Boise Water Cycle (Hint: Look behind you.)

Write down one new local fact you learned.

Find Aqua Venturer (Hint: Look behind you.)

Using the dark blue timeline on the top with the years listed along it, find the year closest to when you were born. Write down an event that happened during that time. (CE=Common Era)

Find the Water Pump (Hint: Look behind you, against the wall.)

Pump water from the farm pump. What is groundwater? (Hint: Look for the white round display next to the pump for the answer.)

What is an aquifer? _____

Section 2: Water - We Treat It Right!

Do you know much about wastewater treatment? Let's see!

Find Flush Mapper (Hint: It's behind the Water Pump.)

Pick a place in Boise to flush the toilet and watch how long and how far it travels to the treatment plant.

How many hours did it take to get there? _____ How many miles did it travel to get there? _____

Find Water Drop Detective (Hint: Look behind you.)

Play the matching game to try and become a "Certified Water Drop Detective." Using the yellow box next to the microorganisms' pictures, answer the following questions:

Which microorganisms have jaws and are useful in waste treatment?

MORE ON BACK! 

Section 2: Water – We Treat It Right!

Continued

Which microorganisms live in intestines, cause severe disease, kidney failure and urinary tract infections?

Which microorganisms are shaped like a slipper and are considered the most complex single cell animals?

Find Treatment Explorer (Hint: Look to your right.)

Select Follow the Flow from the bottom of the screen. List the six steps involved with wastewater treatment.

1. _____

4. _____

2. _____

5. _____

3. _____

6. _____

Find the Sludgemaster Pump (Hint: Turn around and find the red machine with the wheel that turns.)

Turn the wheel of the Sludgemaster Pump. What does a digester do?

Walk through the Wastewater Pipe

Did you know? The City's wastewater comes into the treatment plant through three pipes that are this size!

Section 3: Stewardship and Sustainability

Watershed stewardship is taking personal responsibility in caring for our water. It's up to each of us to protect and conserve this resource for now and for the future.

Find Watershed Stewards (Hint: Look to your right.)

Click on the picture of the house. Describe something that you can do around your house to protect water.

Find Home Water Saver (Hint: It's the model house with all the buttons around it!)

Push the buttons to see how water is used and moves throughout the house. Write down three objects around the home and how much water each uses.

1. _____

2. _____

3. _____

Find Watershed Challenge (Hint: Look near the photo booth.)

Test your knowledge against Eddy Trout or your friends. What was your final score? _____

Find the Waterfall of Heroes (the photo booth)

Take a picture of yourself or your friends. Think of one way you can help save water.

BONUS QUESTION

Look at the amazing works of art around the Boise WaterShed. Find your favorite and write about why you like it here. _____

When you are finished, make sure your name is on the paper and return it to your teacher/group leader.

Please return the pencil and clipboard to the location from where you picked it up. Thank you!

If you finish early, try to find the 20 hidden Eddy Trout faces in the exhibit hall, revisit a favorite exhibit, or check out the books in the Library Resource Center!



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Open Monday - Friday, 9:30 - 4:30 and every 3rd Saturday 10:00 - 2:00. FREE Admission!