



Science Fiction Station

Worksheet to accompany the video readings of *Ilnoblet Elmer and the Alien Water Thieves* by Kathryn Rose Newey (available from <https://www.youtube.com/user/AztecMermaid13>).

Chapter 6: A Playful Dog and the Water Cycle Worksheet Part A

Activity 1: In this chapter, Ilnoblet's science teacher introduces the water cycle and why water may disappear over time.

As the author reads this chapter, listen for some facts about water discussed, as well as some Ilnoblet tells us (which no one else on Earth knows). Complete the facts:



Earth facts about water	Gapitonian facts about water
Water on Earth may disappear over time because...	Water has disappeared from Earth before because...
How long will this take?	How long ago did this happen? How long ago is this in Earth years?
Use this website to help: https://www.sciencedaily.com/releases/2013/12/131216142310.htm	Tip: 1 Iconic = 16,666.6 Earth years

Activity 2: Imagine you're a Mocherian scientist. Your mission is to create a **blueprint** for a machine that will suck up Earth's water efficiently, which is also easy to hide so humans don't notice it.

Things to consider in your design: How will you transport the machine to Earth? How does the water-collection mechanism work? Where will you hide it when not in use? How will you transfer the collected water to your spacecraft?

You may need to use square paper. Find out about blueprints here: <https://kids.kiddle.co/Blueprint>





Activity 3: Here's a **Quiz about water**. Can you answer all the questions? You can check this website to help:

<https://climatekids.nasa.gov/10-things-water/>



1. What are scientists called who search for water on other planets? _____
2. What percentage of all water is in Earth's oceans? _____
And what percentage is in the atmosphere? _____
3. What is the difference between freshwater and saltwater? _____
4. What is the salt found in oceans? _____
5. How many microbes (small plants and animals) can live in one single drop of water? _____
6. Which space travellers might have delivered some of Earth's water to Earth? _____
7. What would happen to the oceans if ice didn't float on top of liquid water? _____
8. What functions does water take care of in human bodies? _____
9. How does water travel up plant stems and defy gravity? _____
10. Name the three physical states of water:

11. Can you think of geographical features where we would see each state naturally on Earth?

Eg. Liquid = Rivers. _____

