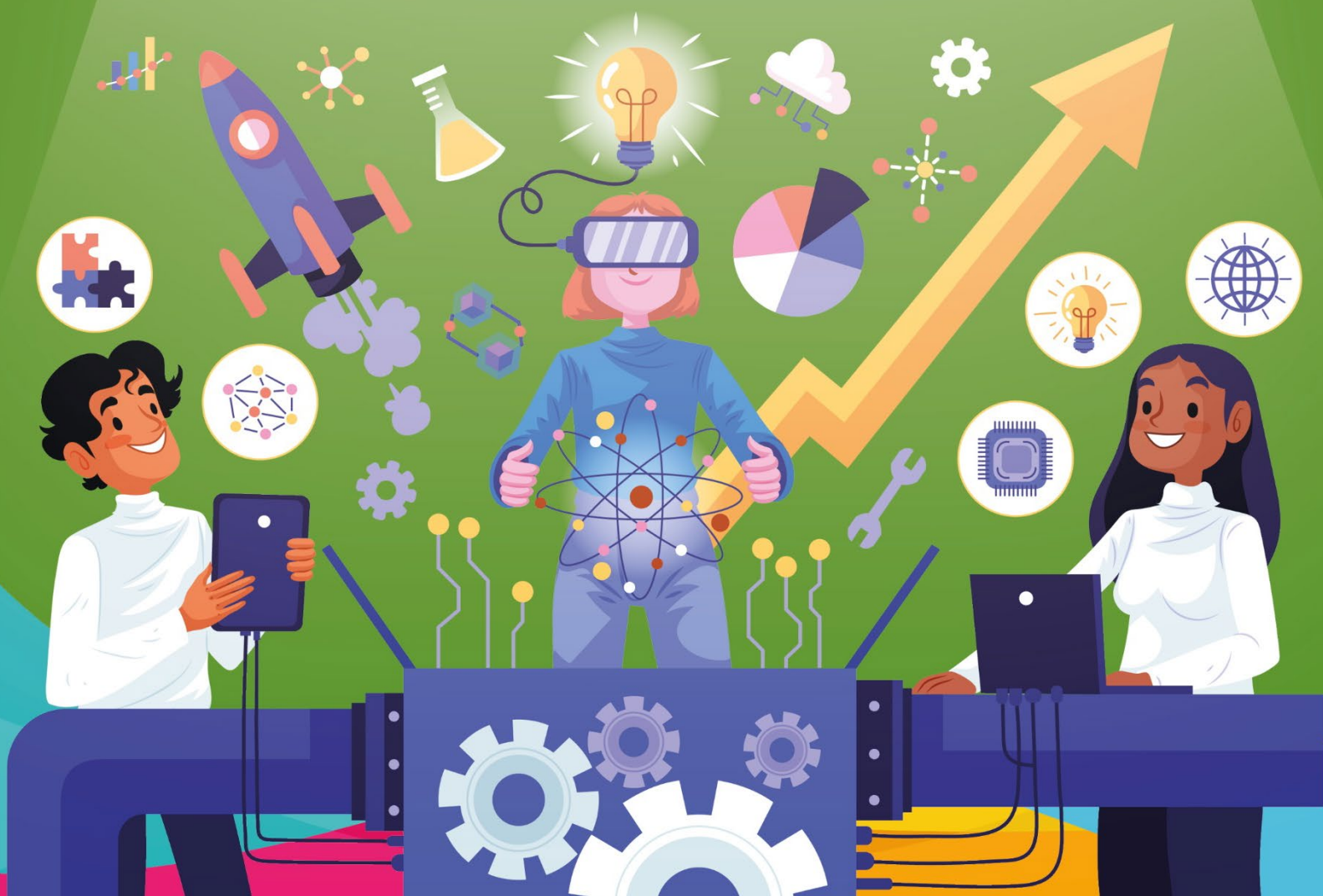


Science Lab



3



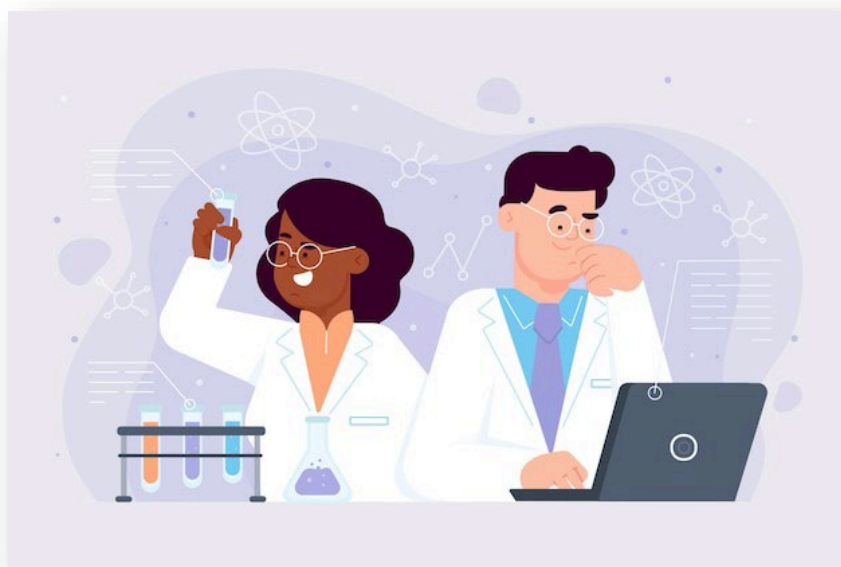
2. Water clock

- Topic:** Time and clock and watch types
- Objective:** Students will learn about another clock type and its capacity to measure time.
- Vocabulary:** measure, type, flow, procedure
- Materials:**
- A plastic bottle of 1 L capacity
 - A paper or plastic cup (like birthday cups)
 - A watch with a second hand
 - A ruler
 - A pencil
 - Tape
 - Scissors

Development:

- **Read and look at the pictures.**

- Step 1.** At 10 cm from the top of the bottle, get some tape on the outside - make sure that the tape sticks as straight as possible.
- Step 2.** Use the tape on the bottle as a guide to cut the top out and use a tack to make a small hole in the centre of the lid.
- Step 3.** Place the lid back on the bottle-top, get 2 lines of tape on the bottle, vertically, and put the bottle-top in the bottle - upside down.
- Step 4.** Put some water in the bottle-top and make sure the water flows continuously.
- Step 5.** While the water falls, mark the water level in the bottle on the tape every 30 seconds. Repeat the procedure for 10 minutes - always every 30 seconds.
- Step 6.** Repeat the measuring process, this time mark the water level every minute on the other line of tape – 10 minutes - talk on the results you got.



Step 1.



Step 2.



Step 3.



Step 4.



Step 5.



Step 6.



Tell us...

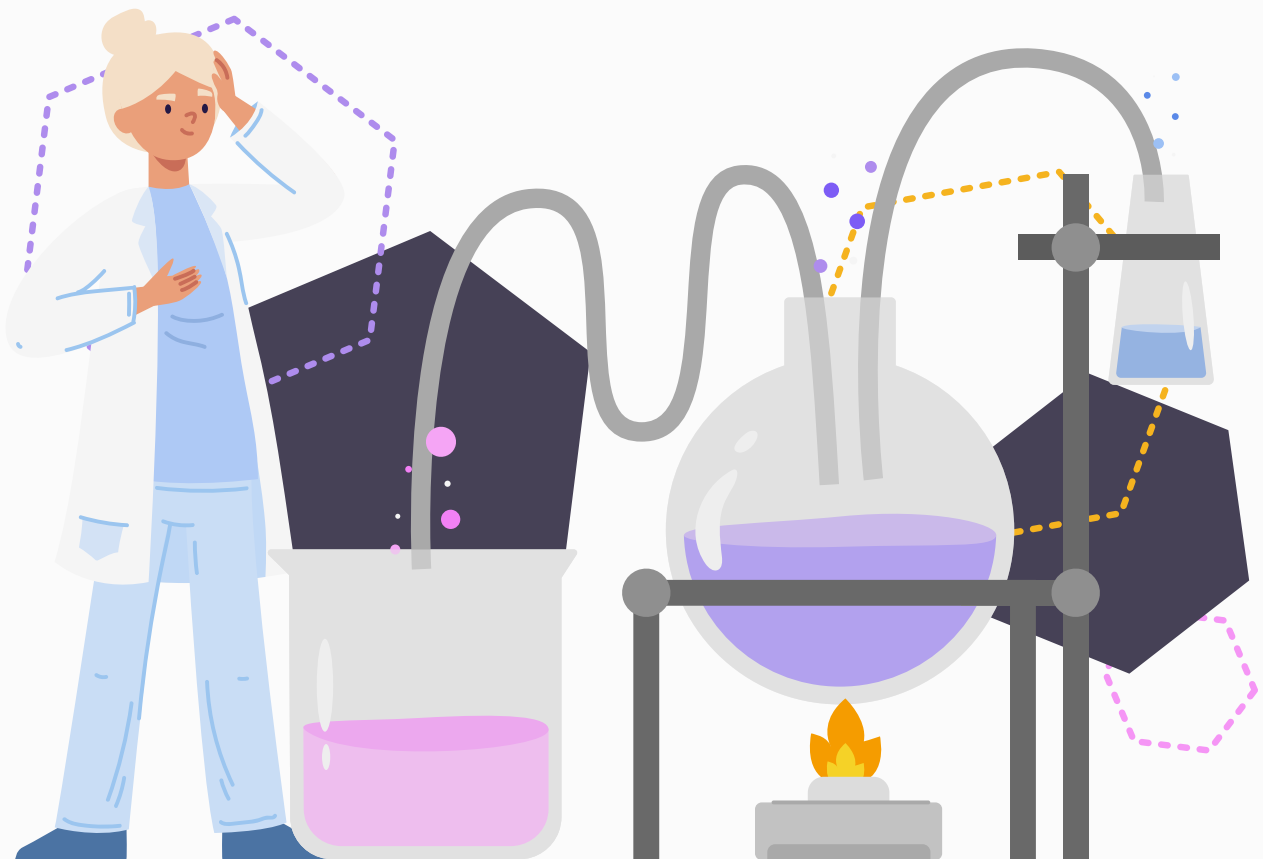
Read and choose a word for each line.

Clocks

Example

Clocks are objects that help people measure
1 _____ time during the day. They come in
2 _____ sizes and possible ways. Some of them are
big and others are small, some have numbers and others
3 have symbols. As time passes by, _____ change.
Now we can find analog, digital and smart watches.
4 People _____ wear them on their wrist. Clocks and
watches come in all shapes and colours. Remember, the
5 ones you see on walls are clocks _____ the ones
you wear are watches.

- | | | | |
|----|-------|--------|--------|
| 0. | are | is | am |
| 1. | the | a | some |
| 2. | every | all | any |
| 3. | watch | clock | clocks |
| 4. | never | always | ever |
| 5. | and | a | An |



Glue a picture of your project finished!

Water clock

Glue your
picture here
:)

1. What was your favourite part of the project? _____.

2. What, exactly, did you like the most?
_____.

3. Extra notes on what you observed during the project. _____

_____.

4. Can you see or apply the information from the project in real life? YES / NO

Explain: _____
_____.

5. Was it easy to get the materials for the project? YES / NO

Explain: _____
_____.

