

LESSON 3. USEFUL WATER

HOMEWORK

1. Build a model water cycle!

What you need:

- **A clear plastic jar or glass jar**
- **Cling film or sheets of clear plastic**
- **Rubber band**
- **Soil**
- **Birdseed (not necessary)**
- **Measuring cup (not necessary)**
- **Water**

Go through the instructions:

1. Ensure that the plastic jar is clean and dry.
2. Add a layer of soil to the bottom of the jar. The layer should be about 2 cm deep.
3. Sprinkle about half a teaspoon of birdseed over the soil. (
4. Cover the bird seed with another layer of soil that is also about 2 cm deep.
5. Measure 60 ml of water using the measuring cup. Slowly pour this over the soil. Make sure the water is poured evenly over the soil's surface.
6. Cover the top of the jar with cling film or plastic and secure it with a rubber band.
7. Place the jars on a window sill or other place where they can remain in direct sunlight.

Over the next few days, examine their jars and record what they can see. They should then answer the following questions:

1. How did the appearance of the jar and plastic cover change?

2. Did droplets appear on the inside or outside of the jar?

3. Where do you think the droplets came from?

4. What happened to the birdseed?

5. What role did sunlight play in the change from liquid water to water vapour?
