Year 6 Science: Earth's water: stores, clouds, vapour and the water we use

Name: _____ Date: _____

Try these without your notes first, then check the answer key.

Practice

1. A shower uses 9 litres a minute. How much water does a 6-minute shower use?

2. Someone cuts their shower from 10 minutes to 5 minutes. With 9 litres a minute, how much water do they save each day?

3. What are clouds made of?

4. A puddle on the playground is gone by lunchtime. Where did the water go?

5. Why can't a shipwrecked sailor drink seawater to stay alive?

Fix the mistake

6. Correct this statement: "The white cloud above a boiling jug is water vapour."

7. Correct this statement: "Clouds are made of water vapour."

8. Correct this statement: "Most of Earth's water is fresh, because rivers and lakes are everywhere."

9. Correct this statement: "In the bore table, 10.1 m means more water than 9.0 m."

Answer key (for parents and tutors)

1. A shower uses 9 litres a minute. How much water does a 6-minute shower use?
   6 × 9 = 54 litres.
2. Someone cuts their shower from 10 minutes to 5 minutes. With 9 litres a minute, how much water do they save each day?
   5 fewer minutes × 9 = 45 litres.
3. What are clouds made of?
   Tiny drops of liquid water or tiny ice crystals, floating in the air.
4. A puddle on the playground is gone by lunchtime. Where did the water go?
   It evaporated: it turned into invisible water vapour in the air.
5. Why can't a shipwrecked sailor drink seawater to stay alive?
   Seawater is too salty; the body uses even more water to get rid of the salt, so the sailor gets thirstier.
6. Correct this statement: "The white cloud above a boiling jug is water vapour."
   Water vapour is invisible; the white cloud is tiny drops of liquid that formed when the vapour cooled.
7. Correct this statement: "Clouds are made of water vapour."
   Clouds are tiny drops of liquid water or ice crystals; the vapour itself cannot be seen.
8. Correct this statement: "Most of Earth's water is fresh, because rivers and lakes are everywhere."
   About 96.54% of Earth's water is in the oceans, which are too salty to drink.
9. Correct this statement: "In the bore table, 10.1 m means more water than 9.0 m."
   The numbers are metres below the ground, so 10.1 m means the water is deeper down and the level has fallen.