Year 10 Science: The water cycle part 1: Earth's spheres, the Sun and weather

Name: _____ Date: _____

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

Practice

1. Water is inside the leaves of a kauri tree. Which sphere is it in?

2. A puddle dries up on a sunny afternoon. Name the change of state, and say whether energy is taken in or given out.

3. Explain why the equator is warmer than Antarctica, using the idea of sunlight being spread out.

4. Dry air is about 21% oxygen. About how many litres of oxygen are there in 100 L of dry air?

5. Use the storage table to explain why water in the atmosphere is replaced much faster than water in the oceans.

Fix the mistake

6. Correct this statement: "The steam from a kettle and the clouds in the sky are water vapour."

7. Correct this statement: "Condensation cools the air, because it happens when things are cold."

8. Correct this statement: "Precipitation is the change of state from gas to liquid."

9. Correct this statement: "The equator is hotter because it is closer to the Sun."