

Grade 8 Science Bill Nye & The Water Cycle

Name: Answer Key

Directions: *Answer the questions and complete statements from viewing the video.*

1. How long has water been getting things wet? 3 billion years
2. Water can be a solid like ice. It can be a liquid like you drink. It can also be a gas or vapor.
3. Water is always moving through something called the water cycle or the hydrological cycle.
4. What happens when water vapor is cooled? It changes back to water.
5. Circle one: The molecules of boiling water/room temperature water are moving faster.
6. How does water at room temperature become a gas? Some water molecules are moving fast enough (have enough energy) to change state.
7. What is the “nature” of the water cycle? Water is recycled.
8. Predict: What would happen to a glass of water placed in a closet for a few days? The glass will become empty.
Why do you think this would happen? The water has evaporated out of the glass.
9. What is the process of water vapor becoming a liquid? Condensation into clouds
10. Water molecules need a place to “stick” in order for condensation to happen.
11. The energy for our own water cycle on earth comes from the power of the sun.
12. Give three examples of precipitation in the rain cycle: Rain, Snow, Sleet, or Hail
13. What is “collection” in the rain cycle? Liquid water is collected from the sky becomes liquid water on land or ocean, etc...
14. No living thing would be able to live without the water cycle
15. At the end of the show, Bill Nye says, “If you’ll excuse me, I’ve got some soil percolation range to compute”