Water Cycle Dice Activity Response Questions

Directions: You should use your experience from the dice activity last class and your textbook to help you.

1. How many cycles did you go through before you made it back to the ocean? I went to the ocean, atmosphere, ground, plants, atmosphere, and the clouds but didn’t go back to the ocean.
2. Does every water particle follow the same path through the water cycle? No, not every water particle follows the same path they could go to the ocean, atmosphere, ground, plants, and the clouds but they would never go to the same place.
3. Where did you stay for the longest? What does that mean in real life? How does rain form in clouds? I stayed in the atmosphere the longest. That means that in real life a lot of stuff is happening in the atmosphere. Rain forms in the clouds when water vapor condenses into bigger and bigger droplets of water.
4. How does water in lakes and oceans move to form clouds? It evaporates from the sun’s energy and is stored in clouds.
5. Where can water from a plant go? Into the roots of the plant.
6. How does water get to a river? Water gets into a river when rain happens.
7. How does water get to a cloud? Water gets into a cloud when evaporation happens.
8. How can humans impact the driving forces for parts of the water cycle? Humans can impact the driving forces for parts of the water cycle by damming rivers for hydroelectricity, using water for farming, deforestation and the burning of fossil fuels.
9. How would a hurricane impact the water cycle? The wind may blow this cloud over land and the water can precipitate as rain or snow.