

Name:

Date:

Class:

Design a Water Bottle Holder Pre/Post-Quiz **Answer Key**

How does condensation form?

Condensation is formed when water changes from a gas into a liquid. It happens when vapor in warm air meets a cool or cold surface. The vapor loses energy as it comes into contact with the cool surface, which slows down the molecules and allows the vapor to turn back into liquid water. Condensation is the opposite of evaporation.

What are three examples of condensation that we might see in our daily lives?

Some examples of condensation are the water droplets that form on a glass or water bottle, clouds in the sky, water droplets on a window, your breath on a cold morning, water droplets on grass/leaves in the morning.

Write the steps of the Engineering Design Process:

1. Define a problem and identify constraints
2. Do background research
3. Imagine/Brainstorm possible solutions
4. Select the most promising solution
5. Build a prototype based on your design
6. Test and evaluate your prototype
7. Iterate and make improvements to your design