

Notes

1. Watch the following refresher videos on the water cycle.

Blazer Fresh - Water Cycle (3:16)

<https://www.youtube.com/watch?v=KM-59ljA4Bs>

National Science Foundation News - Water Cycle | How the Hydrologic Cycle Works (6:46)

<https://www.youtube.com/watch?v=al-do-HGulk>

2. An important physical property of matter is its _____.
 - a. When adding energy to a substance, it will go from a _____ to a _____ to a _____ - the substance undergoes _____.
 - b. When removing energy from a substance, it will go from a _____ to a _____ to a _____ - the substance undergoes _____.
 - c. _____ is an exception to these rules - it _____ as it freezes.
3. _____ energy is the energy possessed by moving objects.
 - a. When a substance gets hotter, the particles that make it up move _____, so the substance has (more / less) energy.
4. When a substance gets colder, the particles that make it up move _____, so the substance has (more / less) energy.

5. Complete the table below:

State Change	Name	Energy Added or Released?
Liquid to Gas		
Liquid to Solid		
Solid to Gas		
Solid to Liquid		
Gas to Solid		
Gas to Liquid		
Gas to Plasma		
Plasma to Gas		