Solids, Liquids, and Gases Graphic Organizer

Over the last several days, you have been exposed to a lot of information about solids, liquids, and gases. Your job now is to take the information that you just learned and place it in a graphic organizer. Follow the steps below when making your graphic organizer.

**Step 1** – The list below has various characteristics of solids, liquids, and gasses. Mr. B was kind enough to identify those for you. Yes, some of them are the same. That is due to the fact that the states of matter share similar characteristics.

1. Orderly arrangement of particles at the atomic level - solid
2. Particles are never at rest - gas
3. Definite shape - solid
4. Somewhat orderly arrangement of particles at the atomic level - liquid
5. Constant “tug of war” between constant motion of particles and attraction between particles - liquid
6. Takes the shape of its container - liquid
7. Attractions between the particles do affect the movement - liquid
8. Strong attractions restrict the motion of the particles - solid
9. Motion of particles are unaffected by each other unless they colloid - gas
10. Forces of attraction can be ignored - gas
11. Definite volume - solid
12. Takes the volume of its container - gas
13. Particles are more closely packed than the particles in a gas - liquid
14. Takes the shape of its container - gas
15. Definite volume - liquid
16. Particles vibrate around a fixed location - solid
17. Particles will never change places with its neighbor - solid
18. Random arrangement of particles at the atomic level – gas

Note – Each state of matter has 6 pieces of information to go along with it.

**Step 2** – Stop. Get these checked by Mr. B before moving on. This has already been done for you. You are welcome.

**Step 3** – Create your graphic organizer. I do not care what your graphic organizer looks like, as long as it is logical, illustrates the differences between the 3 states of matter, and makes sense to you. Go to Mr. B’s website to see some examples of what a graphic organizer could look like. You can make this on Google Slides or Google Docs. You have an entire class period to complete this. It should look nice! It must be done on the computer. NOT ON PAPER!

Step 4 – Turn in your Graphic Organizer to Google Classroom when you are finished.