

States of Matter

Name _____

From the presentation “States of Matter” located at <http://prezi.com/zatqk0unyjyk/>.

1. Define what matter is.

2. Circle all the following items that are composed of matter:

CHAIR GOLD ENERGY EMOTIONS WIND
WORDS HEAT NAILS LIGHT TEMPERATURE

3. What is the air pressure at sea level? _____

4. What two things determine whether a substance will be a solid, liquid, or gas?

5. Describe how the particles of a solid move.

6. Solids have a definite _____ and _____.

7. Most solids have an orderly arrangement of particles, called a _____.

8. VIDEO: How do you know how much sugar to add? _____
_____. How long to you leave it? _____

9. Solids that do not form crystals are called _____ solids.

10. Which item pictures is an amorphous solid, butter or quartz? _____

11. Liquids have a definite _____ but not a definite _____.

12. A resistance to flow is called _____.

13. VIDEO: Which liquid has the highest viscosity, the first one or second one poured?

14. What causes surface tension on a liquid?

15. VIDEO: What does he place the pin on to make it start floating? _____

16. Gases have no definite _____ or _____.

17. If something is usually liquid at room temperature, what is the room-temperature gas state of that substance called? _____

18. How are gases and plasmas alike, and how are they different?

19. Where are three places you can find plasma?

20. In the last photo, list the objects that are in these states of matter:

SOLID –

LIQUID –

GAS –

PLASMA –