

NAME:

PERIOD:

DATE:

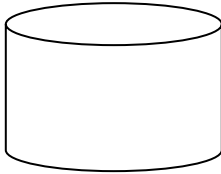
States (Phases) of Matter Classwork

Answer all questions as best you can. Be specific. Be scientific.

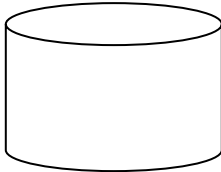
1. What are the four states of matter?
2. Of the four states of matter, which one's particles have the least energy?
3. Of the four states of matter, which one's particles have the most energy?



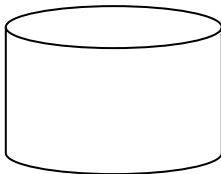
4. In the container, draw a picture of how the particles are arranged in a solid. On the line to the right describe (in one word) how the particles move.



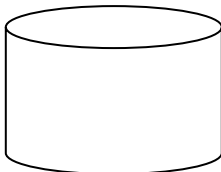
5. In the container, draw a picture of how the particles are arranged in a liquid. On the line to the right describe (in one word) how the particles move.



6. In the container, draw a picture of how the particles are arranged in a gas. On the line to the right describe (in one word) how the particles move.



7. In the container, draw a picture of how the particles are arranged in plasma. On the line to the right describe (in one word) how the particles move.



8. Plasma is different than the other three states of matter. Why?



9. Which state(s) of matter have a definite shape?

10. Which state(s) of matter have a definite volume?

11. Which state(s) of matter have their particles arranged in a repeating pattern?

12. In this web activity: http://www.harcourtschool.com/activity/states_of_matter/, what outside factor changes to cause the purple rock to change from state to state?