

Name: _____

Date: _____



GENIUSCHALLENGE

PARTICLE NATURE OF MATTER

1. What are the three states of matter?

1. _____ 2. _____ 3. _____

2. What is the smallest possible unit of matter called?

3. True or false: when 500 ml of water is mixed with 500 ml of isopropyl alcohol, the result is 970 ml of liquid because some was spilled. _____

4. Particles of matter cannot be seen because they are....

- a. imaginary b. transparent c. magical d. tiny

5. Why did the soccer ball deflate in cold temperatures?

6. Why do the marshmallows get bigger inside the vacuum chamber when the air is removed?

7. True or false: a particle of matter is about the width of a human hair. _____

8. Fill in the blank: _____ is anything that has weight and takes up space.

9. What makes Zoe's rockets work?

10. Why was the carbon dioxide in the balloons a solid when the balloons were cut open?
