

Name: _____

Date: _____



GENIUSCHALLENGE

WHAT IS SCIENCE?

1. What can increase our confidence in a scientific claim or theory? _____
2. Which of these is part of the natural world and can therefore be studied through science?
a. unicorns **b.** mind reading **c.** butterflies **d.** ghosts
3. What is the most important thing in science? _____
4. What practice of science is the team using when Zoe wonders if all colors of light will cause the paint to glow? _____
5. True or false: the science of studying space is called astrology. _____
6. What evidence does the team find that there is violet light in white light?

7. Is making claims without evidence to back them up a practice of science? _____
8. How can our scientific understanding about something change?

9. Name one field of science that does not use controlled experiments. What practices do scientists in that field use?

10. Which of these fields of science focuses on studying the structure and properties of matter?
a. biology **b.** astronomy **c.** paleontology **d.** chemistry