

# LIMITS TO SCIENCE

NAME \_\_\_\_\_ Per. \_\_\_\_\_

1. What is the difference between science and technology?

Determine if these are examples of science or technology:

DETERMINING HOW WEATHER BEHAVES \_\_\_\_\_

DESIGNING A BETTER THERMOMETER \_\_\_\_\_

BUILDING A FASTER COMPUTER CHIP \_\_\_\_\_

STUDYING HOW ORGANISMS ARE RELATED \_\_\_\_\_

INVESTIGATING WHAT KILLED OFF THE DIONSAURS \_\_\_\_\_

USING STEM CELLS TO CURE DISEASES \_\_\_\_\_

2. Compare and contrast a scientific law and a scientific theory.

3. What are ethics?

4. What is bias and why should it be avoided in science?

5. Below, circle the items that are opinions and cannot, therefore, be subjected to scientific inquiry.

MEASURED LENGTH

FAVORITE COLOR

BAD ODOR

AIR TEMPERATURE

RELIGIOUS BELIEF

EYE COLOR

WIND SPEED

PERSONAL PHILOSOPHY

TIME OF DAY

BEST CANDIDATE