

Name: _____ Date: _____ Period: _____

Writing Testable Questions

Example 1: Does adding fertilizer to soil make plants grow taller?

- a. This is a testable question.
- b. This question has a cause (adding fertilizer to soil) and an effect (how tall a plant grows).
- c. It could be rewritten as "What is the effect of adding fertilizer to soil on a how tall a plant grows?"
- d. This is a good experiment because it is based on factual data.

Example 2: Can the type of music a person listens to cause good or bad moods?

- a. This is a testable question.
- b. This question has a cause (type of music) and effect (good or bad mood).
- c. It could be rewritten as "What is the effect of the type of music on a person's mood?"
- d. This would NOT be a good science experiment unless you made a rating scale because it is based on a person's opinion.

Example 3: Was Albert Einstein the greatest Physicist of the 20th century?

- a. This is NOT testable question.
- b. There is no cause and effect.
- c. It cannot be rewritten in the correct format.
- d. This would not make a good question because this is personal opinion and my idea of "greatest" might be different from someone else's.

1. Are cats better pets than dogs?

- a. Is this a testable question? _____
- b. Why or why not?

c. If this is a testable question, then rewrite the question in the correct format:

2. Which type of ball will bounce higher when dropped, a tennis ball or a golf ball?

- a. Is this a testable question? _____
- b. Why or why not?

c. If this is a testable question, then rewrite the question in the correct format:

3. Do M&Ms melt faster in your mouth or faster in your hand?

- a. Is this a testable question? _____
- b. Why or why not?

c. If this is a testable question, then rewrite the question in the correct format:

4. Should we all volunteer our time at an animal shelter?

- a. Is this a testable question? _____
- b. Why or why not?

c. If this is a testable question, then rewrite the question in the correct format:

5. Which ingredient type in a cake makes it rise the most?

- a. Is this a testable question? _____
- b. Why or why not?

c. If this is a testable question, then rewrite the question in the correct format:

6. How is bug blood different from human blood?

- a. Is this a testable question? _____
- b. Why or why not?

c. If this is a testable question, then rewrite the question in the correct format:

7. What happens to the growth rate of plants when I play music to them?

- a. Is this a testable question? _____
- b. Why or why not?

c. If this is a testable question, then rewrite the question in the correct format:

8. Why does bright sunlight make some people sneeze?

- a. Is this a testable question? _____
- b. Why or why not?

c. If this is a testable question, then rewrite the question in the correct format:

9. Do smells affect people's moods?

- a. Is this a testable question? _____
- b. Why or why not?

c. If this is a testable question, then rewrite the question in the correct format: