Name_____

Practice

Circle the questions which are testable using scientific experimentation.

1. Are there more seeds in Fuji Apples or Washington Apples?
2. What types of apples grow in Missouri?
3. How does talking to a plant affect a plant's height?
4. What happens if you do not eat breakfast?
5. Which planet is the most interesting one to study?
6. Which objects are attracted by a magnet: paperclip, penny, foil?
7. Will larger or smaller seeds germinate faster?
8. Do larger or smaller seeds make prettier flowers?
9. Do flying saucers really exist?
10. Which pill design – tablet, caplet, or capsule – will dissolve faster?
11. Why does doing homework help your grades?
12. How does the size of a helicopter's blade length affect the speed and number of rotations?
13. Does the temperature of a classroom affect student performance?
14. How does talking to a plant affect the plant?

Change 2 of the NON-testable questions to TESTABLE questions in the space.

_____

_____

Identifying variables and correcting hypothesis practice. Use what you learned to identify the variables and correct the following hypotheses.

Example: If you spend more time studying, then your grade will improve.
Manipulated variable:
Time spent studying_____
Responding variable:
Grade_____
Corrected hypothesis:
If studying improves grades and you spend more time studying, then your grade will improve.___

If the temperature of the room is increased, then the bacteria will grow faster.

Manipulated variable:

_____

Responding variable:

_____

Corrected hypothesis:

_____

_____

If people see funny commercials, then they are more likely to purchase a product.

Manipulated variable:

_____

Responding variable:

_____

Corrected hypothesis:

_____

_____

If you spend a lot of time in the sun, then you will increase your risk of skin cancer.

Manipulated variable:

_____

Responding variable:

_____

Corrected hypothesis:

_____

_____