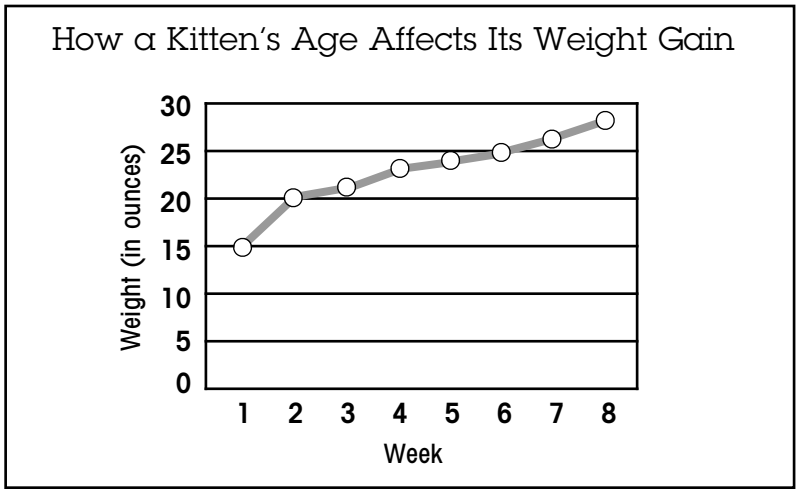
Kitten Craze

Name: _____ **Date:** _____

Suppose you just got a new kitten. For your science-fair project, you've decided to track your kitten's weight to see if it gains weight more quickly when it is younger than it does when it is older. Under your parents' supervision, you give your kitten the same amount of food and water each day. Every Saturday morning for eight weeks, you weigh your kitten. Below is a line graph of your results. Use the graph to answer the questions that follow.



Questions:

1. What was your *independent variable,* or the detail that you changed on purpose?

_____

2. What was your *dependent variable,* or the variable that changed in response to a change in the independent variable?

_____

3. What did you keep *constant* throughout your experiment?

_____

4. Between which two weeks did your kitten gain the most weight?

_____

5. Based on the data shown on the line graph, what conclusions can you make?

_____

_____

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1. Your kitten's age
2. Your kitten's weight
3. The amount of food and water given to the cat
4. Between the first and second weeks
5. Kittens gain more weight when they are younger than they do as they get older.