

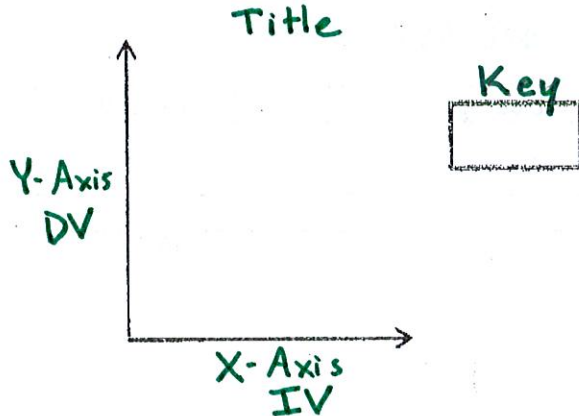
Name: _____

Per: _____ Date _____

Graphing Practice

Part 1: Label the parts of this Graph using the words from the word bank:

IV ✓ DV ✓ X-Axis ✓ Y-Axis ✓ Title ✓ Key ✓



Part 2: Apply your knowledge by telling whether a line or bar graph would be used for the quantitative data in each experiment below. Justify your choice!

1. Susan studied fossils at different heights on a cliff by her house. She should use a bar graph because the data fits into categories.
2. John's science fair group investigated the effect of various recycled products on plant growth for a month. He should use a line graph because it shows data over a period of time.
3. Student volunteers were timed as to how long it took them to tie their shoes. The class should use a bar graph because the students are the categories.
4. Marcie tested the time it takes for three different liquids to begin boiling. She should use a bar graph because the different liquids are different categories.
5. Steven tested the effect of different brands of ice skates on the speed of skaters. He should use a bar graph because the different skates are different categories.
6. A school principal studied standardized test scores of her students over the course of 5 years. She should use a line graph because it shows data changes over a period of time.
7. iTunes did a study on which types of music are purchased by different consumer age groups. They should use a bar graph because the age groups are different categories.

Name: _____

Per: _____ Date _____

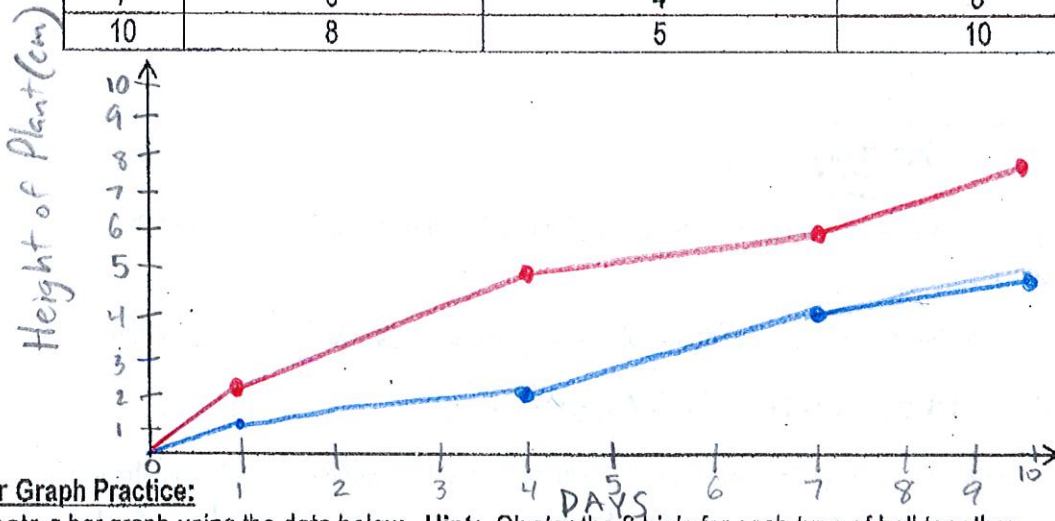
Part 3: Practice your graphing skills with the following scenarios. Be sure to use your Flipbook to help you!

Line Graph Practice:

Create a line graph using the data below. **Hint:** You will have to make 3 lines on the same graph - one for each type of light.

The Effect of Colored Light on Height of a Plant (cm)

| Day | Red Light | Blue Light | Regular Light |
|-----|-----------|------------|---------------|
| 1 | 2 | 1 | 3 |
| 4 | 5 | 2 | 6 |
| 7 | 6 | 4 | 8 |
| 10 | 8 | 5 | 10 |



Bar Graph Practice:

Create a bar graph using the data below. **Hint:** Cluster the 3 trials for each type of ball together.

The Effect of Ball Type on Height of Ball Bounce (cm)

| Ball Type | Tennis ball | Golf Ball | Ping Pong Ball |
|-----------|-------------|-----------|----------------|
| Trial 1 | 25 | 28 | 31 |
| Trial 2 | 26 | 23 | 22 |
| Trial 3 | 18 | 20 | 21 |

