
e) Put "B" pieces back on the table and "T" pieces on top of them

EXPERIMENT TWO:

Peel off two of the "T" pieces of tape. Then draw what happens when the pieces of tape are at each of the distances below:

| | | |
|-------------------------------|-------------------------------|------------------------------|
| a) 22 cm away from each other | b) 10 cm away from each other | c) 2 cm away from each other |
|-------------------------------|-------------------------------|------------------------------|

d) Fill in the blanks below to describe what you noticed about the pieces of tape as they got closer together:

As the "top" and "top" pieces of tape got closer together

e) Put "B" pieces back on the table and "T" pieces on top of them.

EXPERIMENT THREE:

Peel off two of the "B" pieces of tape. Then draw what happens when the pieces of tape are at each of the distances below:

| | | |
|-------------------------------|-------------------------------|------------------------------|
| a) 22 cm away from each other | b) 10 cm away from each other | c) 2 cm away from each other |
|-------------------------------|-------------------------------|------------------------------|

d) Fill in the blanks below to describe what you noticed about the pieces of tape as they got closer together:

As the "bottom" and "bottom" pieces of tape got closer together

e) Remove tape from desk and throw away in the trash bin.

Crazy Tape Analysis

Name _____

PART A:

Use what you learned from your Lab to fill in the blanks below. Use the words attracted, repulsed, closer, farther, stronger, or weaker.

- The "top" piece of tape is _____ to the "bottom" piece of tape.
- The "top" piece of tape is _____ by the "top" piece of tape.
- The "top" tape has a _____ attraction to the "bottom" tape when it gets closer to it.
- The "bottom" piece of tape is _____ by the "bottom" piece of tape.
- The "top" tape has a weaker attraction to the "bottom" tape when it gets _____ away.

PART B:

Follow the directions below. Answer all questions in **COMPLETE** sentences.

1. Does the top strip have a positive or negative charge? Why?

2. Does the bottom strip have a positive or negative charge? Why?

3. Is the force between the two positive strips of tape repulsive or attractive?

Describe what you did in your lab that answers this question.

4. Is the force between the two negative strips of tape repulsive or attractive? Why do they act like this?

5. When a positive strip of tape gets near a negative strip of tape, is the force attractive or repulsive? Describe what you did in your lab that answers this question.

PART C --- Directions: Think if there is are any invisible forces acting on each piece of tape and then draw an arrow to show which direction it will move. Under each picture write attract, repel, or nothing for how the pieces of tape interact.

| | | | |
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