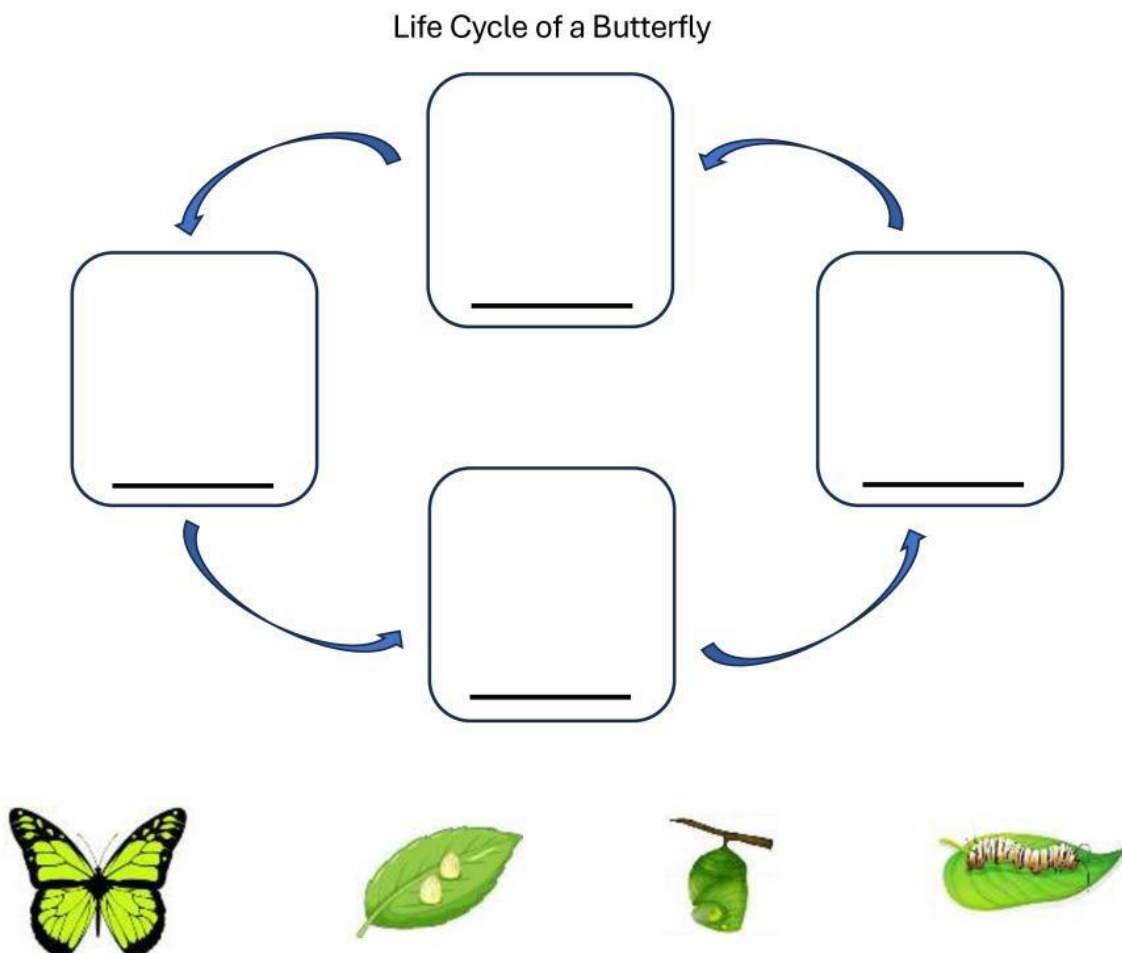


A. Draw (drag) and label the life cycle of a butterfly below. Use the word bank to help you.

pupa	butterfly	egg	larva
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B. Read the question below. Choose and encircle the letter of the correct answer.

1. What is a magnet?

- a. A piece of metal from the earth
- b. An object that can attract other materials
- c. A rock

2. What are the two poles of a magnet?

- a. East pole and West pole
- b. Up pole and Down pole
- c. North pole and South pole

3. Magnets have the strongest pull at _____.
- the middle part
 - all parts of the magnet
 - the two poles
4. Which of the following is NOT a magnetic material?
- Copper
 - Nickel
 - Iron
5. What is a lodestone?
- It is a non-magnetic material made up of plastic.
 - It is a type of natural magnet that attracts metal.
 - It is used to make food taste better.
6. Which of the following is an example of a use of magnets?
- Compass
 - Writing
 - Cooking
7. Which of the following statements about magnets is correct?
- Freely suspended magnets always come to rest in the North-East direction.
 - Magnets attract plastic and wood.
 - Magnets repel when the same poles are facing each other.
8. Object P was placed near a bar magnet. It then moved away as shown in diagram 1.



Diagram 1

When object Q was placed near the bar magnet, it moved towards the bar magnet, as shown in diagram 2.

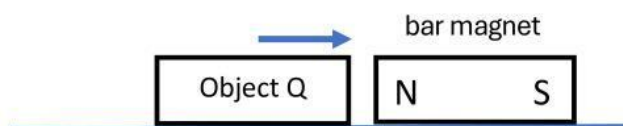


Diagram 2

Based on diagrams 1 and 2, which of the following are correct?

- Object P is a magnet.
- Object Q is made up of iron.

- iii. Object P is made up of a magnetic material.
- iv. Object Q is made up of a magnetic material.

- a. i and ii
- b. ii and iii
- c. ii and iv

9. Sam wanted to make a magnet using the electrical method. Which of the following conditions will give him the strongest magnet?

- a. 2 batteries and 20 turns of wire
- b. 2 batteries and 10 turns of wire
- c. 1 battery and 20 turns of wire

10. Ricky stroked an iron nail in the same direction using a bar magnet. He then used the iron nail to attract some pins. He repeated the steps a few times and recorded his observation in the table below.

Number of Strokes	Number of pins attracted
10	1
20	2
30	x
40	8

Based on the results, what is the likely value of x?

- a. 3
- b. 4
- c. 5

C. Look at the objects below. Write **M** if the object is magnetic and write **NM** if it is non-magnetic.

	
1.	2.
	
3.	4.
	
5.	6.

D. Understanding

Read each question carefully. Then answer completely with relevant information and details.

1. Magnets have a lot of uses. Name two uses of magnets, 1 in your house and 1 in the classroom, and explain how it helps us in our daily life.

2. Explain the two ways of making objects magnets. How they are done and what materials the objects must be.
