

Sample Question Types

Attention-focusing:

- What objects will interact with a magnet?
- What do you notice when you put two magnets together?
- What can you observe about the Sun?
- What can you observe about the Moon?
- What do you notice about the shadows at Sunrise?
- What do you notice about the behavior of the mealworms?
- What can you observe about the bodies of the mealworms?

Measuring and Counting:

- How many paperclips will a magnet hold?
- How many hours was the Sun in the sky?
- How many days passed before a certain Moon shape reappeared?
- How much of the Moon is lit at any one time?
- How many mealworms are in the tub?
- How long are the mealworms?

Comparison:

- How do your results compare to your predictions?
- How does the strength of the small round magnet compare to the strength of the bar magnet?
- How do the Sun data from January compare to the data from June?
- How do the Moon data from this week compare to the data from last week?
- Look at the Moon illustration on the second page of the story. This is Carle's representation of a full Moon. How does this illustration compare to your data for a full Moon?
- How are mealworms similar to trilobites? How are they different?
- How does your population count for week 5 compare to week 1?

Action:

- What happens to the strength of a magnet if you combine two magnets?
- What happens if you put two magnets close together?
- What happens to what we see of the Moon as the angle between the Sun and Moon increases and decreases?
- What happens to the mealworms when you move them to the top of the oatmeal?

Problem-solving:

- Can you find a way to make objects on the table move without directly touching them?
- Can you find a way to reproduce all of the phases in the scientific order using the ball and lightbulb?