

Name _____

Date _____

Grade 3: Magnets Pre/ Post Test

Section 1: Multiple Choice

Circle the correct answer.

1. What material in objects usually causes them to be attracted to magnets?
 - A. Copper
 - B. Iron
 - C. Aluminum

2. If the north pole of one magnet is brought close to the south pole of another, what will happen?
 - A. The two magnets will repel.
 - B. The magnets will break.
 - C. The two magnets will attract.

3. What will happen if you bring the south pole of a magnet near the south pole of another magnet?
 - A. The two magnets will repel.
 - B. The magnets will break.
 - C. The two magnets will attract.

4. Which of the following objects will most likely NOT be attracted to a magnet?
 - A. an iron nail
 - B. a paper clip
 - C. a quarter

5. How many poles does a magnet have?
 - A. one
 - B. two
 - C. three

6. Which of the following objects will most likely be attracted to a magnet?
- A. an iron nail
 - B. a copper penny
 - C. a silver spoon
7. What does *repel* mean?
- A. come together
 - B. break apart
 - C. push away
8. Ann has a bowl filled with a mixture of salt, iron filings, and sand. If Ann puts the end of a magnet into the mixture, what will stick to the magnet?
- A. the salt
 - B. the iron filings
 - C. the sand
9. ____ poles attract each other, while ____ poles repel each other.
- A. Like, similar
 - B. Opposite, like
 - C. Like, opposite
10. Which of the following objects would be attracted to magnets?
- A. a paperclip
 - B. a wooden chair
 - C. a glass of water
11. Which of the following objects would be attracted to magnets?
- A. a quarter
 - B. a rubber ball
 - C. a staple

12. Where would you most likely find a magnet?
- A. in your television
 - B. in your phone
 - C. in your computer
 - D. All of the above
13. Which of the following would a magnet NOT attract?
- A. a paper clip
 - B. a marker
 - C. a nail
14. Which form of transportation does NOT use magnets to work?
- A. airplane
 - B. high speed train
 - C. horse

Section 2: Fill in the Blank

Circle the correct word that should go in the blank.

15. Magnets have different _____.

Colors	strengths	patterns
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16. Iron would be _____ to a magnet.

repel	attracted	steel
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17. _____, _____, and _____ are attracted to magnets.

Eraser	paperclip	nail	penny	dime	thumbtack
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Section 3: Extended Response

Select one question to respond to. Write your response using complete sentences.

You have a bowl containing an eraser, paper clip, nail, penny, dime, and a thumbtack. Which items in the bowl are magnetic? Why did you choose these items?

Explain one real world application of magnets. Tell how you use magnets in your life.
