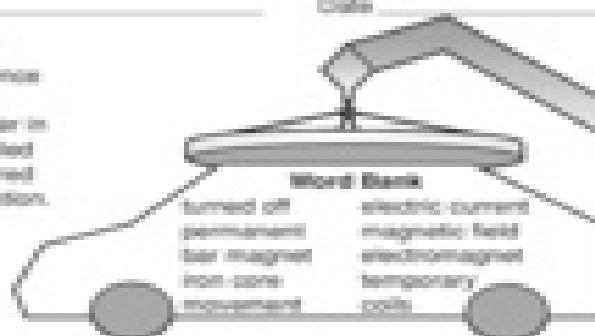


Name _____ Date _____

"Mag-neals"

Use the clues in each sentence and the word bank to fill in the missing word(s). Write one letter in each blank. Then write the circled letters on the matching numbered lines below to answer the question.



1. An electric current has a _____ **L** _____.
2. A _____ **O** _____ cannot be turned off.
3. An _____ **O** _____ can be turned on and off.
4. When electric current passes through wire wrapped around an _____ **O** _____, it becomes magnetic.
5. The amount of _____ **O** _____ affects an electromagnet's strength.
6. The more _____ **O** _____ an electromagnet has, the stronger it will be.
7. A bar magnet is a _____ **O** _____ magnet.
8. An electromagnet is a _____ **O** _____ magnet.
9. When the current to an electromagnet is _____ **O** _____, it is no longer magnetic.
10. Electric motors use electromagnets to create _____ **R** _____.

Who discovered in 1820
that an electric current has
a magnetic field?

H _____

