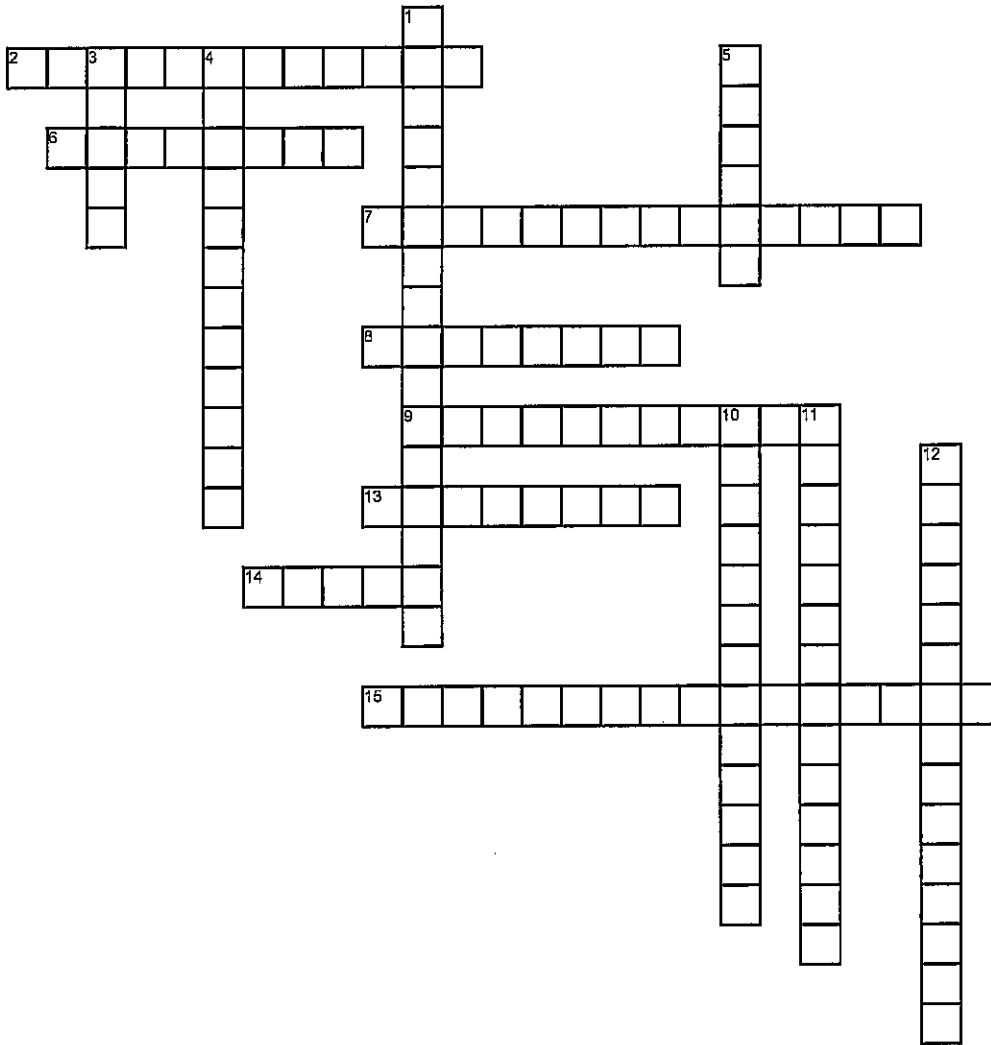


Crossword 03/11/09, Science Spectrum 2008

Chapter 11  
Vocabulary

Name \_\_\_\_\_ Date \_\_\_\_\_

Instructions: Complete the puzzle. Use the clues to help you fill the boxes with the correct words.



**ACROSS**

- 2. the change in position of an object; includes the direction of motion
- 6. the speed of an object in a particular direction
- 7. the net force is zero so the object is either not moving or moving at constant speed (no acceleration)
- 8. the **combination of all forces** acting on an object
- 9. those forces that can occur when two objects are not touching each other; examples include gravity and magnetism
- 13. the **general force** that **opposes** motion between two surfaces that are in contact
- 14. an action exerted on a body in order to change the body's state of rest or motion
- 15. a system for specifying the precise location of objects in space and time

## DOWN

1. cause objects to **accelerate** (speed up, slow down or change direction)
3. the distance traveled divided by the time interval during which the motion occurred
4. the rate at which velocity changes over time; caused by a net force
5. an object's change in position relative to a reference point
10. those forces that occur when two objects touch each other; includes a push or pull
11. the force that resists the initiation of sliding motion between two surfaces that are in contact but **at rest**
12. the force that opposes the movement of two surfaces that are in contact and are **moving** over each other (sliding or rolling)