Guided Reading Chapter 5 Section 2

1. Friction is a force that _____ motion.

2. Sketch figure 5.8, showing types of friction. Remember to label!

3. Friction depends on _____ surfaces in contact.

4. You can represent the direction of force by using a _____.

   a) signal b) vector c) graph

5. Draw a picture showing sliding friction. Remember to show the direction of each force.

6. Sliding friction increases with _____.

   a) weight b) mass c) density d) volume

7. It is impossible to totally eliminate _____.

8. Name several ways to reduce the effect of friction.

9. How do tires help to increase the friction between the tire and the road?

10. Friction changes energy of motion into _____ energy.

    a) light b) electric c) heat d) potential

11. Why and how is oil used to reduce the effects of friction in large machines?

12. If you are wading in a stream and notice that the stones are quite_____, you can infer that the stones have been altered either by the water flowing over them, or by being carried and bounced about through the water by the energy of the running water.