

Name: _____ Hr. _____ Date: _____

Conceptual Physics – 5b Friction Worksheet

1. Friction is defined as _____

2. Friction occurs when the _____ and _____ of two surfaces grind against each other.

3. The amount of friction depends on two factors... _____

4. Rougher surfaces typically have MORE LESS friction. (circle one)

5. There is typically MORE LESS friction between a heavy object and another surface than there is between a light object and another surface.

6. The two basic types of friction include _____ friction, which is the friction that exists between two surfaces that are not moving
And _____ friction, which is the friction that exists between surfaces that are moving.

7. Generally, _____ friction is greater than sliding friction.

8. Rank these types of friction, greatest amount first, least amount last
Kinetic (sliding) Static
a. _____ b. _____

9. Oil and grease are substances that are used to reduce friction. Liquids that reduce friction are called _____.

10. Explain how ball bearings reduce friction _____

11. Explain how friction is useful in brakes and tires. _____