

Name: \_\_\_\_\_

Period: \_\_\_\_\_

**HW2:2 Properties of Matter**  
**Mr. Murray, IPC**  
**science.fearthepenguin.net**

**Assigned: Mon., 9/11 and Tues., 9/12**  
**Due: Wed., 9/13 and Thurs., 9/14**

1. You need to keep a load of wood in the back of a truck. You need something with great \_\_\_\_\_ to tie it down.
2. A windshield must be able to withstand rocks and trees scrapping on it and still be able to see thru it. A windshield is \_\_\_\_\_.
3. To beautify a book binding you want the look of metal, but to put a lot of metal on would be expensive, so use a metal that is very \_\_\_\_\_.
4. Something that seems light for its size is not very \_\_\_\_\_.

5. A dinner plate made from clay resists using forks and knives on it, so it is very \_\_\_\_\_, but if you should drop it from the table you would know it is also \_\_\_\_\_.
6. What properties do these substances have?

	playdough	plastic straw
brittle?		
hard?		
elastic?		
tensile		
dense		
malleable		

7. A 35 gram object takes up  $7 \text{ cm}^3$  of space.  
A) 35 grams is the object's:  
B)  $7 \text{ cm}^3$  is the object's:  
C) Write the density equation:  
  
D) Calculate the object's density:
8. If 50 mL of a substance is 25 grams, find its density.

9. A block has 20 grams of mass and has a volume of  $5 \text{ cm}^3$ . What is the density of the block?
10. Why do poisons collect more in carnivores than in herbivores?
11. Why is it important that we make construction and mining companies collect their waste water?