

Guided Reading Chapter 10 Section 2

1. Physical properties of matter are those you can _____ directly.
 - a) change
 - b) observe
 - c) touch

2. Physical properties of matter include color, texture, _____, _____, and state of matter.

3. _____ properties of matter are those observed when one substance is changed into another substance.

4. Give a real life example of a physical and chemical change to matter.

5. Minerals are an example of a(n) _____ solid; having an orderly, repeated pattern.
 - a) amorphous
 - b) dense
 - c) crystalline

6. Complete the following table that compares the mechanical properties of solid matter.

Property	Definition	Example
	A measure of how much tensional stress a material can withstand before it breaks.	Wax has a low tensile strength, steel has a high tensile strength
Hardness		Diamond
Elasticity	The ability of a solid to be stretched and return to its original size.	
	The tendency of a material to expand or contract due to temperature changes.	
Ductility		
	The ability of a material to be pounded into thin sheets.	Aluminum foil