

ENERGY and LIGHT

1. _____ is the ability to do work
2. Examples of sources of heat and light energy sources: _____ and _____
3. _____ is the heat and light from the sun
4. _____ is a huge ball of fire and burning gas that provide heat and light and without it the world would be cold, plants could not make food and the needs of animals could not be met
5. _____ are remains from plants and animals that have been buried deep under the ground for many, many years
6. Examples of fossil fuel are: _____, _____ and _____
7. _____ is a source of heat without producing light and this happens when one thing is rubbed against the other
8. _____ undergoes changes in the body and gives off heat

sun	+++++++	Solar energy	coal
Natural gas	petroleum	energy	food
Fossil fuels	sun	friction	electricity

Light

1. _____ travels in a straight line.
2. _____ means light can pass through the air and water
3. _____ is the bouncing of light rays that hit a surface
4. _____ is when some light rays are taken in by the material

reflection	absorption	light	refraction
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How light behave as it strikes different materials:

1. _____ allow light to pass through easily
2. Examples are _____ and _____
3. _____ allow some light to pass through but scatter most of them
4. Examples are _____ and _____
5. _____ do not allow light to pass through
6. Examples are _____ and _____

Wax paper	Transparent materials	steel
lenses	wood	Very thin cloth
Opaque materials	Translucent materials	Clear plastic

White Light

1. White light has seven colors: _____, _____, _____, _____, _____, _____ and _____
2. This was first observed by _____ a mathematician and physicist

Draw and color the rainbow: