

## LESSON 7 SS WORKSHEET SCENIC SCIENCE

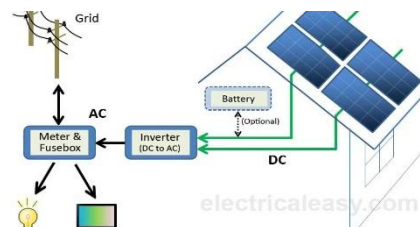
ANSWERS \_\_\_\_\_

INITIALS: \_\_\_\_\_

### ENERGY

The Sun, like wind, water, or heat change, can be used to charge batteries make electricity. The Sun gives off RADIANT ENERGY. Radiant Energy is KINETIC – causing motion.

1. Solar/radiant energy is: **KINETIC** or POTENTIAL
2. Solar panels collect: AIR or **SUNLIGHT**
3. Energy flows from: **high** → **low** or low → high



### ABSORB or REFLECT

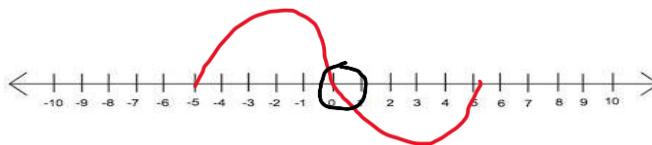
Choose from the Following Answers: BLACK WHITE MIRRORS

1. What color is best for absorbing sunlight? **BLACK**
2. What color is best to wear to reflect sunlight on a hot day? **WHITE**
3. What material is best for reflecting sunlight? **MIRRORS**
4. A solar collector may be saucer-shaped and composed of **MIRRORS**.

### LIGHT WAVES

Light waves are shaped like water waves going up and down. Light does not bend around corners. It travels in straight lines in the same direction outward.

1. Draw one complete light wave, starting at -5 and ending at 5 on the number line below.



2. What letter does your wave resemble (on its side)? **S**
3. Where should your wave cross the number line? **0** (circle the spot)
4. Light waves we can see are called: **VISIBLE LIGHT** or RADIOWAVES
5. Visible light is composed of: WHITE/CLEAR LIGHT ONLY or **A RAINBOW OF COLORS**
6. All colors of light mixed together create: BLACK LIGHT or **WHITE LIGHT**