



## PHOTOVOLTAIC ENERGY STUDENT ACTIVITY

### \* MULTIPLE CHOICE

1. The basic element of a photovoltaic system is the solar \_\_\_\_\_.  
a)panel                      b)array                      c)cell                      d)link
2. Groups of cells are mounted and wired together to form a \_\_\_\_\_.  
a)module                      b)reflector                      c)zapper                      d)system
3. Two or more modules connected together form an \_\_\_\_\_.  
a)insulator                      b)array                      c)incubator                      d)relay
4. Single photovoltaic cells produce \_\_\_\_\_ power.  
a)great                      b)little                      c)no                      d)immense
5. Solar-generated electricity can be stored in \_\_\_\_\_.  
a)batteries                      b)closets                      c)modules                      d)pockets
6. Photovoltaics produce \_\_\_\_\_ power.  
a)dirty                      b)stinky                      c)clean                      d)nuclear
7. Some photovoltaic cells last for more than \_\_\_\_\_ years.  
a)30                      b)300                      c)2000                      d)60
8. Homes that have photovoltaic systems that generate and store electricity are called \_\_\_\_\_.  
a)grid-connected systems    b)solitary systems                      c)stand-alone homes                      d)super duper



Compliments of *Tucson Electric Power Company*

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\* TRUE OR FALSE

1. Photovoltaic cells convert sunlight directly into electricity. \_\_\_\_\_
2. Photovoltaic cells work when sunlight shines on the semiconductor material, freeing electrons and generating an electric current. \_\_\_\_\_
3. Photovoltaic cells stop working after a very short time. \_\_\_\_\_
4. Photovoltaics can produce electricity at night or on cloudy days. \_\_\_\_\_
5. Electric storage is not a critical component of many photovoltaic systems. \_\_\_\_\_
6. Photovoltaics are very flexible in their applications. \_\_\_\_\_
7. Photovoltaics produce renewable energy. \_\_\_\_\_
8. Photovoltaic arrays, depending on the number of panels used, can provide all the electricity for a home. \_\_\_\_\_