



We hope you enjoyed learning more about Earth's systems!  
Complete this worksheet to test and apply what you learned from  
the lesson.



### USEFUL DEFINITIONS!

Erosion- when wind, water, and other natural forces cause pieces of rock and earth to wear away.

Weathering- the process of rock being worn away or broken down into smaller pieces.

Forecasting- the prediction of what weather will be like in the future.

Air Pressure- the measure of the weight of air.

Atmosphere- the layer of gas that surrounds the Earth's surface.

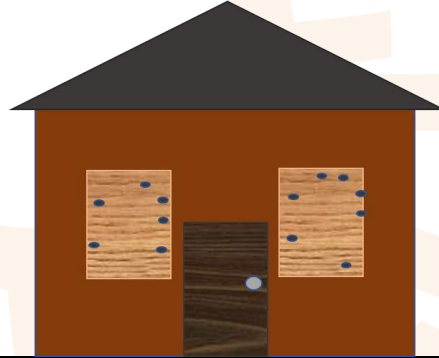
Meteorology- the science of the atmosphere, weather, and weather forecasting.

Urban Heat Island Effect- concrete making the surrounding environment warmer.

### STRONG STRUCTURES

CAN YOU THINK OF SOME THINGS HUMANS DO TO DEAL WITH WEATHER? DRAW EXAMPLES!

Example: When people know a hurricane is coming through, they board up their windows with wood.

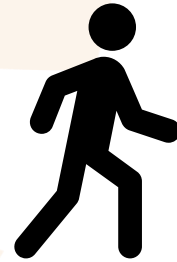
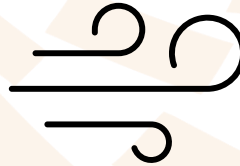
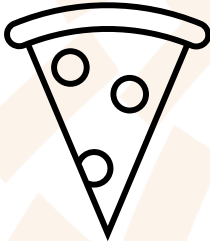
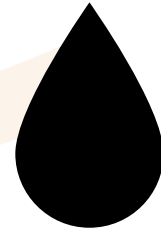
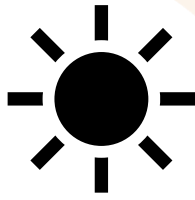


Building a house in a very windy area.

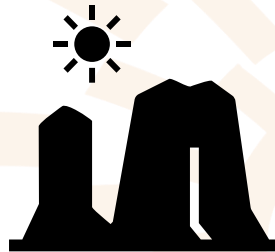
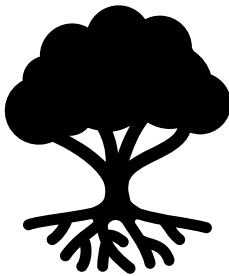
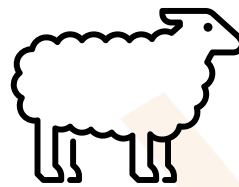
Living in a valley where it rains a lot.

### WEATHERING & EROSION

CIRCLE EXAMPLES OF THINGS THAT CAUSE WEATHERING AND EROSION



CIRCLE EXAMPLES OF THINGS THAT CAN BE AFFECTED BY WEATHERING AND EROSION



### BUILDING CHALLENGE

CAN YOU CREATE A MODEL OF A BUILDING THAT WILL WITHSTAND THE FORCE OF STRONG WINDS? TRY USING EVERYDAY MATERIALS TO CREATE A MODEL, AND THEN TEST ITS STRENGTH BY USING A HAIR DRYER OR LEAF BLOWER AS A SOURCE OF WIND!



### QUESTIONS TO CONSIDER:

1. If you attempted the building challenge what worked well? What could you have done better?
2. Why do you think it is important to make buildings strong enough to handle extreme weather?
3. What are some things that you think help make a building strong?

