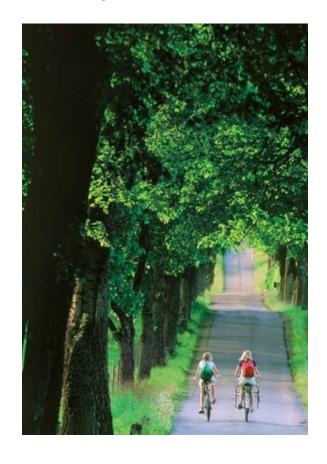
Physical Weathering at Work

This text is excerpted from an original work of the Core Knowledge Foundation.

The process of weathering breaks rock into smaller pieces. Some of these tiny pieces combine with once-living material to form topsoil. Other small pieces of rock collect as sediments. This breakdown of rocks happens as they interact with air, water, and living things. There are two basic types of weathering. One of them is physical weathering.

Physical weathering breaks big rocks into smaller ones without changing the minerals they contain. Widely swinging temperatures cause physical weathering. For example, rocks in a desert bake during the day beneath the sun's scorching heat. As rocks get hot, they expand. At night, temperatures in the desert fall. As rocks cool down, they contract, or shrink slightly. Expand, contract, expand, contract-this endless cycle gradually causes the rocks' outer layer to crumble or flake off.



Water also causes physical weathering. Water seeps into tiny cracks in rocks. If temperatures drop below freezing, the water turns to ice. Water expands as it freezes, pushing outward and enlarging the cracks. Geologists call this process ice wedging. Each time the water freezes, it opens cracks a little wider. Eventually, the rocks split apart. Ice wedging is what makes potholes in streets, too.

Plants and animals also cause rocks to weather. Tree roots squeeze into the cracks in rocks. As the roots grow, they act like wedges, forcing the cracks wider and wider. Eventually the rocks break apart. Badgers, chipmunks, and other animals burrow into cliffs and hillsides like tiny bulldozers. As they dig or tunnel into the ground, they push buried rocks to the surface where most weathering takes place.







Examples of physical weathering

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Name	e: Date:
1. WI	hat is a meaning of the word process ?
,	A. a particular course of action intended to achieve a result
l	B. a learner who is enrolled in an educational institution
(C. one of the four large bodies of saltwater on Earth
2. Wł	hat is another meaning of the word process ?
,	A. a sustained phenomenon or one marked by gradual changes through a series of states
I	B. a point located with respect to surface features of some region
(C. a politically organized body of people under a single government
the s	se use each answer choice only once. Choose the one word that best completes sentence.
3. A I own I	life is a function that a living thing performs to stay alive and produce more of its kind.
,	A. processor
I	B. processors
(C. process
	D. processing
ı	E. procession
F	F. processes
	G. processed
4. All	living things are made of cells and are able to carry out life
,	A. processor
I	B. processors
(C. process
	D. processing
I	E. procession
F	F. processes
	G. processed

Book.
A. processor
B. processors
C. process
D. processing
E. procession
F. processes
G. processed
6. Upon receiving a returned book or order, your refund will be, but you will not be reimbursed for shipping charges.
A. processor
B. processors
C. process
D. processing
E. procession
F. processes
G. processed
7. A long of people, all dressed in black, followed the men.
A. processor
B. processors
C. process
D. processing
E. procession
F. processes
G. processed

8. They have a	and memory, input, and output devices.
A. processor	
B. processors	
C. process	
D. processing	
E. procession	
F. processes	
G. processed	
9. These assumptions information.	originate from the fundamental belief that humans are of
A. processor	
B. processors	
C. process	
D. processing	
E. procession	
F. processes	
G. processed	
10. Please write your	own sentence using the word process .
11. What would you like can use it when you w	ke to remember about the meaning of the word process so that you write or speak?

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Name:	Date:
1. What is a meaning	of the word expand ?
A. keep in good co	ondition
B. come out into v	
C. add details to a	ın idea
2. What is another me	eaning of the word expand ?
A. grow vigorously	
B. catch sight of	
C. set up or found	
Please use each ans sentence.	wer choice only once. Choose the one word that best completes the
3. Sometimes a	and contraction are quite noticeable.
A. expansive	
B. expanses	
C. expands	
D. expansion	
E. expanded	
F. expand	
4. Liquids, or g	et bigger, when they are heated.
A. expansive	
B. expanses	
C. expands	
D. expansion	
E. expanded	
F. expand	
5. The cluster a	as they watched.
A. expansive	
B. expanses	
C. expands	
D. expansion	
E. expanded	
F. expand	

6. That warm air and rises.
A. expansive
B. expanses
C. expands
D. expansion
E. expanded
F. expand
7. He had never seen those great shining white of ice and snow.
A. expansive
B. expanses
C. expands
D. expansion
E. expanded
F. expand
8. It had a nice, ring to it.
A. expansive
B. expanses
C. expands
D. expansion
E. expanded
F. expand
9. Please write your own sentence using the word expand .
10. What would you like to remember about the meaning of the word expand so that you can use it when you write or speak?