GRAPHING RELATIONSHIPS

____ 1. Which graph most likely illustrates an indirect change?

A

B

C

D
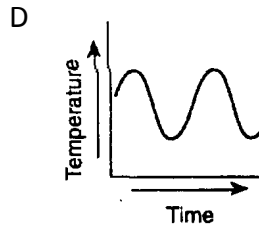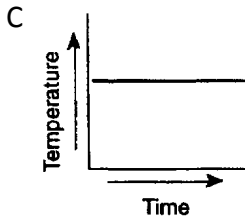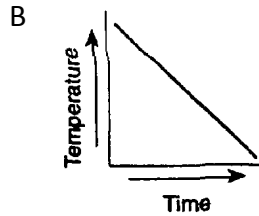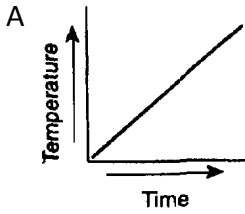
____ 2. As your latitude increases (you get further from the equator), the temperature generally decreases. This is an example of an indirect relationship. Which graph best represents this relationship?

A

B

C

D
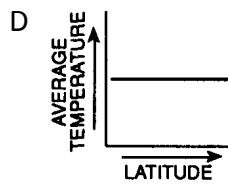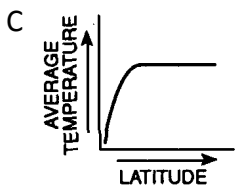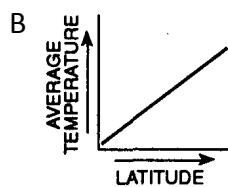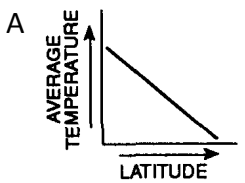
____ 3. Which graph most likely illustrates a static relationship?

A

B

C

D

____ 4. As the distance from the Earth increases, the brightness of a star decreases. This relationship would be best described as...
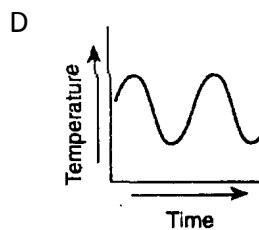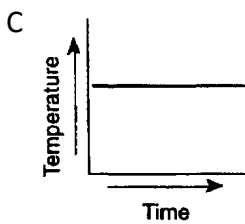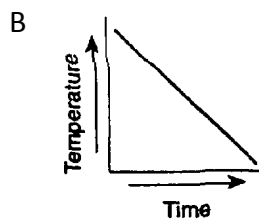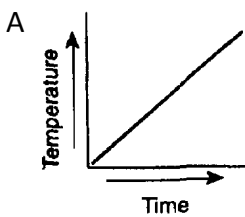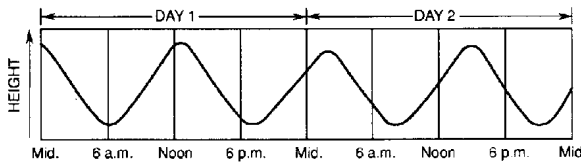
A direct   B indirect   C cyclic   D static

____ 5. As the size of a sample of granite increases, its density remains the same. This relationship would be best described as...

A Cyclic   B Direct   C Indirect   D Static

____ 6. The graph below shows the changes in height of ocean water over the course of 2 days at one Earth location.

Which statement concerning these changes is best supported by the graph?

A The changes are cyclic and occur at predictable time intervals.
B The changes are cyclic and occur at the same time every day.
C The changes are noncyclic and occur at sunrise and sunset.
D The changes are noncyclic and may occur at any time.

____ 7. Which graph most likely illustrates a cyclic change?
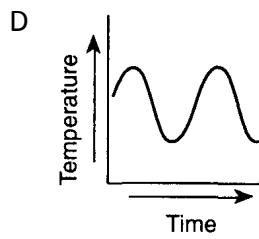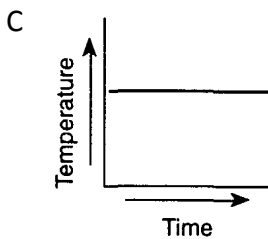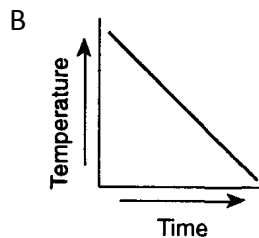
____ 8. As the slope of a hill increases, so does the amount of runoff during a rain storm. This relationship would best be described as...

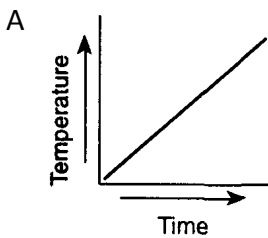A direct   B indirect   C static   D cyclic

____ 9. The closer two objects are together, the stronger the pull of gravity between them. Which graph best represents the relationship between the gravitational attraction of two objects and their distance from each other?

A
GRAVITATIONAL ATTRACTION
DISTANCE

B
GRAVITATIONAL ATTRACTION
DISTANCE

C
GRAVITATIONAL ATTRACTION
DISTANCE

D
GRAVITATIONAL ATTRACTION
DISTANCE
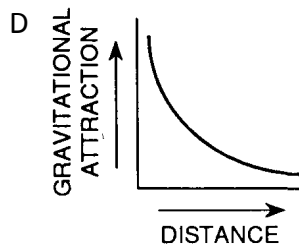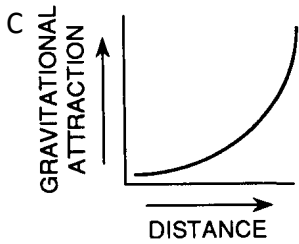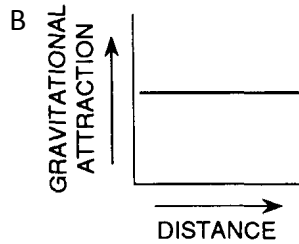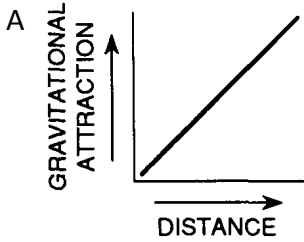
____ 10. Which graph best illustrates the relationship between lake water pollution and human population density near the lake?

A
LAKE POLLUTION
POPULATION DENSITY

B
LAKE POLLUTION
POPULATION DENSITY

C
LAKE POLLUTION
POPULATION DENSITY

D
LAKE POLLUTION
POPULATION DENSITY