SCIENCE REVIEW

Grade 8

LIVEWORKSHEETS

Choose the correct answer:

1- What is the oldest layer formed in the sedimentary rock shown in the adjacent figure?

A. Layer 1
B. Layer 2
C. Layer 3
D. Layer 4

2- What is the youngest layer formed in the sedimentary rock shown in the adjacent figure?

A. Layer 1
B. Layer 2
C. Layer 3
D. Layer 4

3- Which layer is older than layer 3?

A. Layers 1 and 3
B. Layers 1 and 2
C. Layer 4 only
D. Layer 1 only

4- Any method of determining whether an object is older or younger than other objects is called….

A. absolute dating
B. relative dating
C. radiometric dating
D. all the above

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5- Any method of determining the age of an object in years is called….

A. absolute dating
B. relative dating
C. radiometric dating
D. all the above

6- What type of rocks can scientists determine their absolute age?

A. Sedimentary rocks
B. Metamorphic rocks
C. Igneous rocks
D. Any type of rocks

7- In one region, when the birth rate is greater than the death rate, the population will…

A. increase.
B. decrease.
C. stay the same.
D. decrease then increase.

8- In one region, when the death rate is greater than the birth rate, the population will…

A. increase.
B. decrease.
C. stay the same.
D. decrease then increase.

9- Which of the following causes a decrease in population?

A. Increase in birth rate
B. Decrease in death rate
C. Improvements in medical care
D. High immigration out of the area

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10-Which of the following causes an increase in population?

A. Decrease in birth rate
B. Decrease in death rate
C. Bad medical care
D. High immigration out of the area

11-The red layer of the Grand Canyon pointed at in this picture is 340 million years old. Which statement about nearby layers is true?

A. The layers below this layer are older than 340 million years old.
B. The layers above this layer are older than 340 million years old.
C. The layers below this layer are younger than 340 million years old.
D. The Layers above this layer are in the same age.

12-A group of individuals of the same species living in the same place at the same time is called …

A. Ecosystem
B. Population
C. Group
D. Biodiversity

Answer the following questions:

1- Look at each image. Use the words from the word bank to label each fossil with the name of the environment in which it likely formed.

a Lake – a tropical forest – a grassland

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2- Write A next to statements that describe absolute age, and R next to those that describe relative age.

	I am 14 years old
	I am younger than my brother
	The boy's school is older than the girl's school

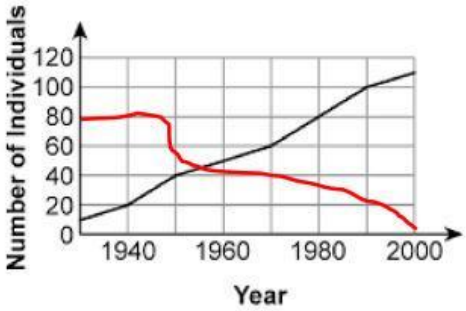
3- Classify the following resources as renewable or non-renewable in the table below.

Fossil fuels –Wind – Water – Copper – Solar energy - Coal

Renewable resources	Non-renewable resources

4- Use the following words to describe the population growth in the graph.

Growing – Shrinking

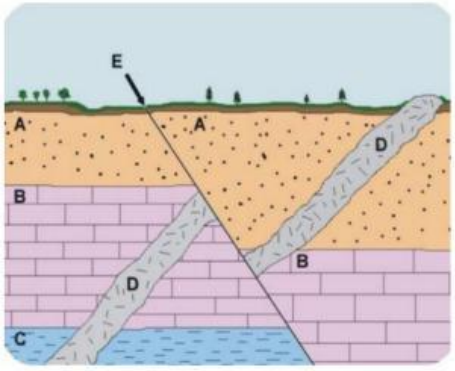


The black line shows ..... in population size

The red line shows ..... in population size

5- The diagram shows rock layers that are cut by a fault and one body of rock (Rock D) What are the relative ages of the features in order of oldest to youngest?

The oldest	
The youngest	E



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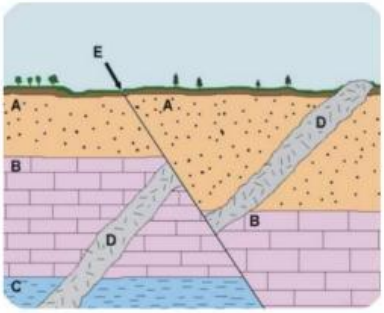
6- The diagram shows rock layers that are cut by a fault and one body of rock (Rock D) What are the relative ages of the features in order of youngest to oldest?

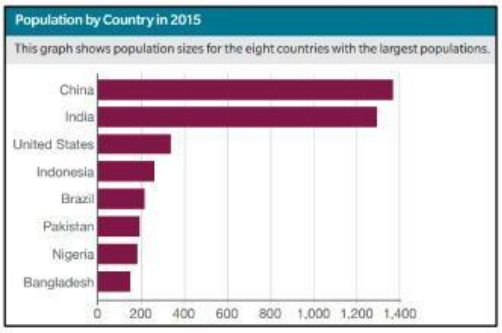
The youngest	
The oldest	



7- Compare between the population in China and the population in Nigeria.

grater - smaller

China population is ..... than Nigeria population.



8- Use the table below to calculate per capita consumption of water in the UAE in 2020.

Population size	Total tomato use kg/day
11,000,000	3,000,000

Per capita consumption= total of resources / population size

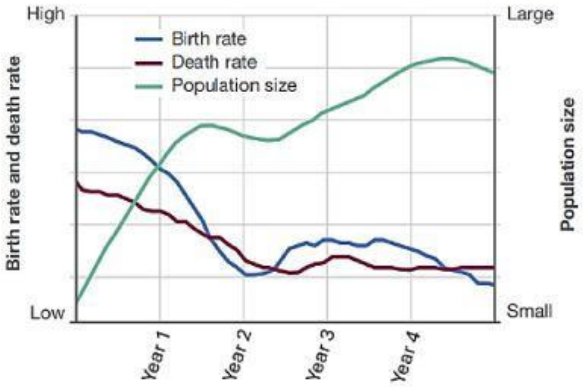
..... = ... / ..... = ...

9- The graph below shows the change in population according to the (birth rate and death rate) in one region. use the graph to answer the following question.

Birth rate - death rate

What is the reason for the **decrease in population size** at year 2?

in year 2 the ..... is less that the ..... rate .....



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