

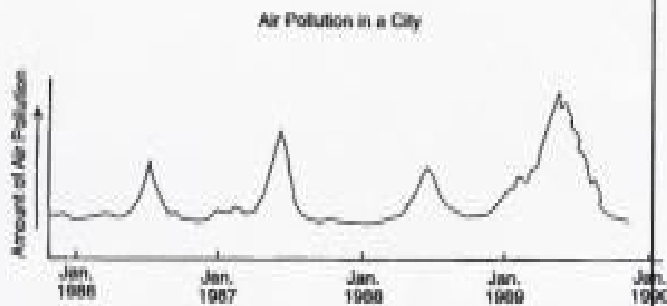
Name _____

Date _____

**GRAPH
PRACTICE**

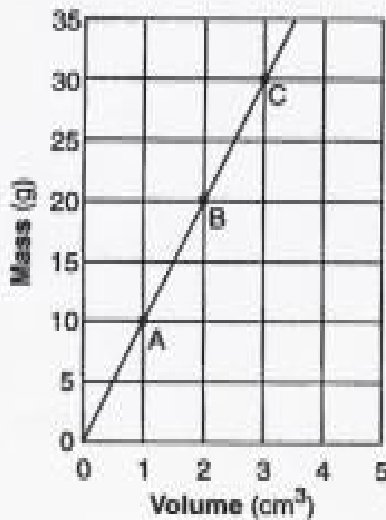
**Earth Science
Finelli**

1. The graph below shows the relative amount of air pollution over a city for a period of several years.



Which statement about air pollution over this city is best supported by the graph?

- (1) It is decreasing at a constant rate.
 - (2) It is increasing at a constant rate.
 - (3) It is a cyclic event.
 - (4) It has no pattern.
2. The graph below shows the relationship between mass and volume for three samples, *A*, *B*, and *C*, of a given material.

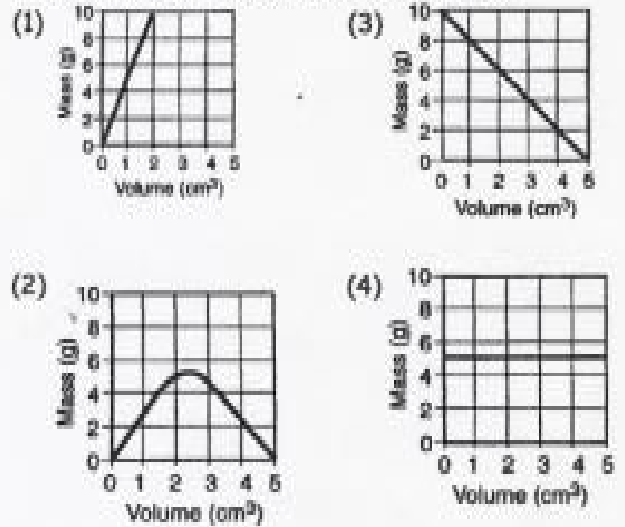


What is the density of this material?

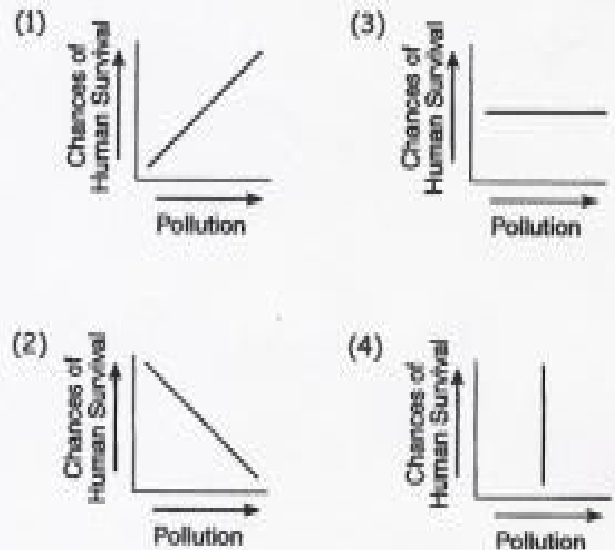
- (1) 1.0 g/cm^3
- (2) 5.0 g/cm^3
- (3) 10.0 g/cm^3
- (4) 20.0 g/cm^3

3. Base your answer to the following question on the *Earth Science Reference Tables*.

Which graph best represents the relationship between mass and volume of a material that has a density of 5 grams per cubic centimeter?



4. Which graph shows the most probable effect of environmental pollution on the chances of human survival?



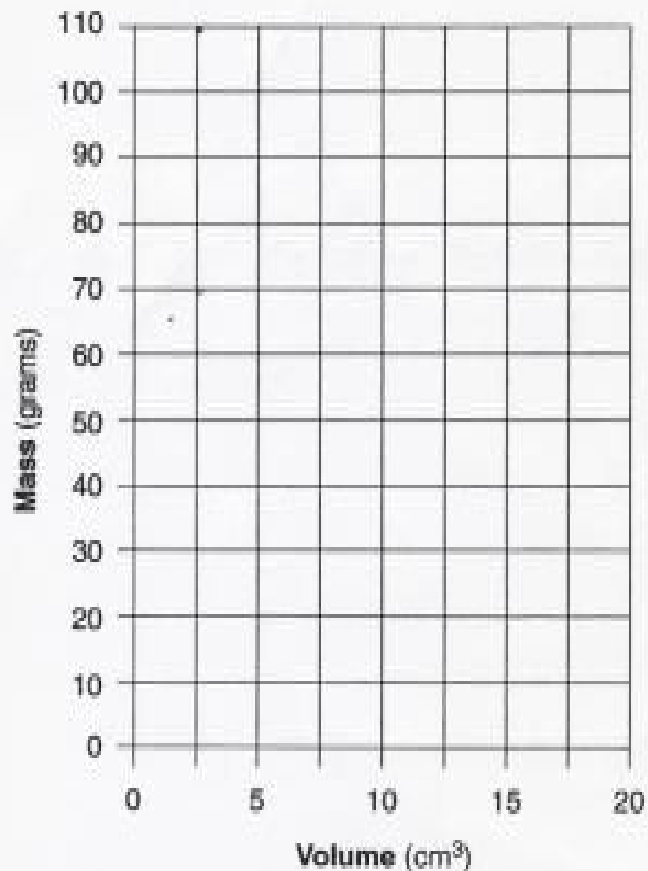
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**GRAPHING
PRACTICE**

**Earth Science
Finelli**

Base your answers to questions 1 and 2 on the data table below, which shows the volume and mass of three different samples, *A*, *B*, and *C*, of the mineral pyrite.

Pyrite		
Sample	Volume (cm ³)	Mass (g)
A	2.5	12.5
B	6.0	30.0
C	20.0	100.0



1. On the grid provided, plot the data (volume and mass) for the *three* samples of pyrite and connect the points with a line.
2. State the mass of a 10.0-cm³ sample of pyrite.

3. CALCULATE THE DENSITY OF SAMPLE A AND SAMPLE B
SHOW ALL WORK

A

B

