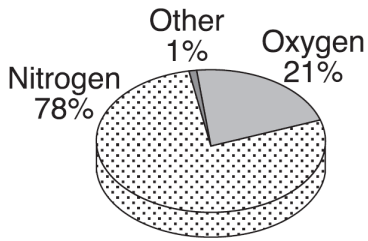
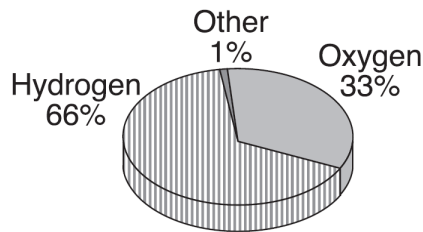


1. Which pie graph correctly shows the percentage of elements by volume in Earth's troposphere?

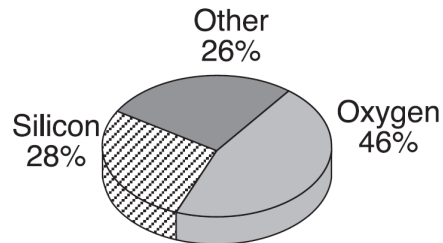
1)



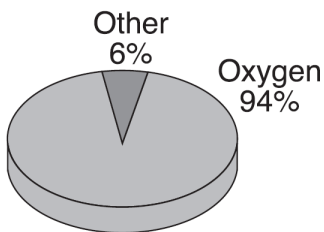
2)



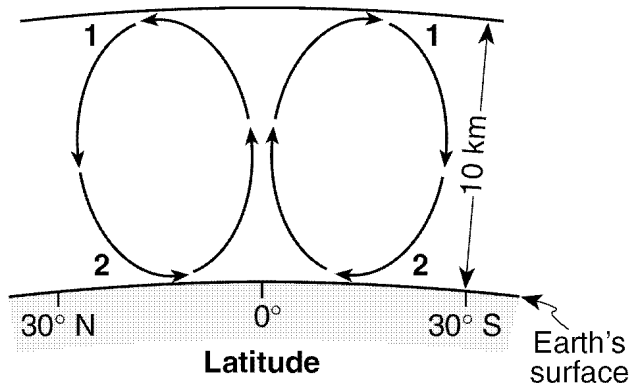
3)



4)



2. Base your answer to the following question on the cross section below and on your knowledge of Earth science. The cross section shows the general movement of air within a portion of Earth's atmosphere located between 30° N and 30° S latitude. Numbers 1 and 2 represent different locations in the atmosphere.



(Not drawn to scale)

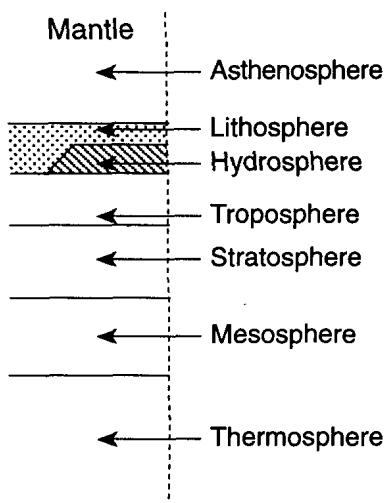
What is the approximate percentage by volume of oxygen present in Earth's atmosphere at location 2?

- 1) 10% 2) 21% 3) 33% 4) 46%

3. Earth's troposphere, hydrosphere, and lithosphere contain relatively large amounts of which element?

- 1) iron
- 2) oxygen
- 3) hydrogen
- 4) potassium

4. The diagram below shows spheres associated with Earth.



(Not drawn to scale)

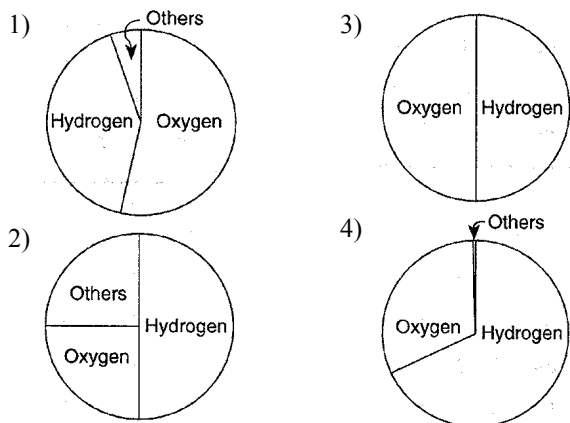
Which spheres are zones of Earth's atmosphere?

- 1) lithosphere, hydrosphere, and troposphere
- 2) stratosphere, mesosphere, and thermosphere
- 3) asthenosphere, lithosphere, and hydrosphere
- 4) hydrosphere, troposphere, and stratosphere

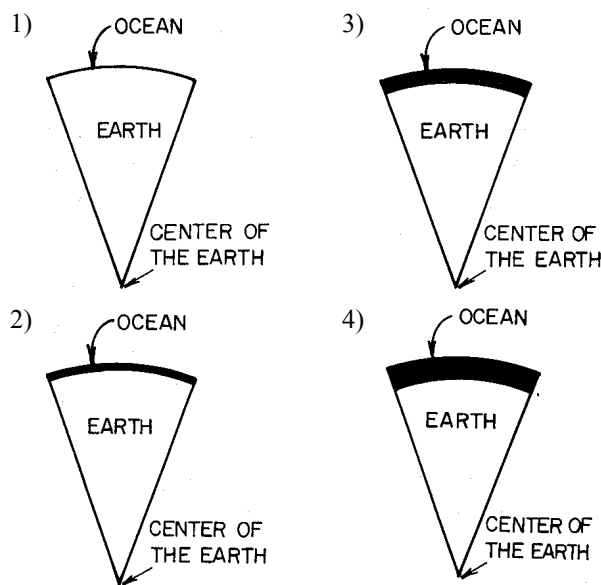
5. Earth's hydrosphere is best described as the

- 1) solid outer layer of Earth
- 2) liquid outer layer of Earth
- 3) magma layer located below Earth's stiffer mantle
- 4) gaseous layer extending several hundred kilometers from Earth into space

6. Which graph best represents the percentage by volume of the elements making up the Earth's hydrosphere?



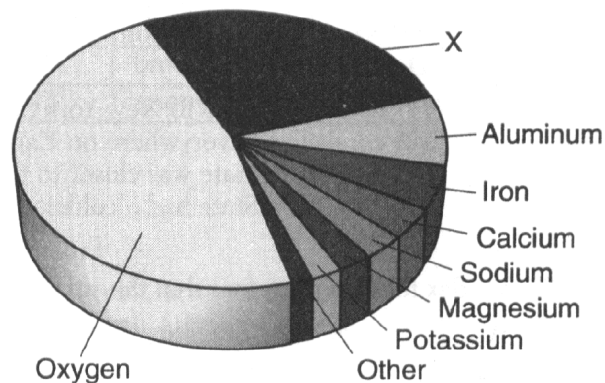
7. In the diagrams below, the dark zone at the surface of each wedge-shaped segment of the Earth represents average ocean depth. Which segment is drawn most nearly to scale?



8. Oxygen is the most abundant element by volume in Earth's

- 1) inner core
- 2) troposphere
- 3) hydrosphere
- 4) crust

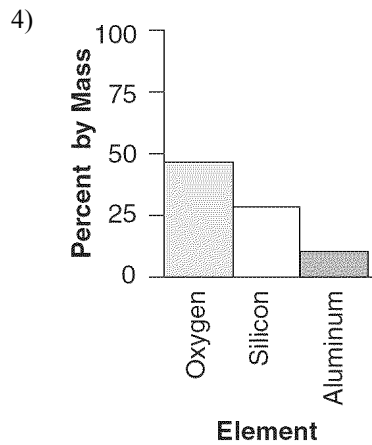
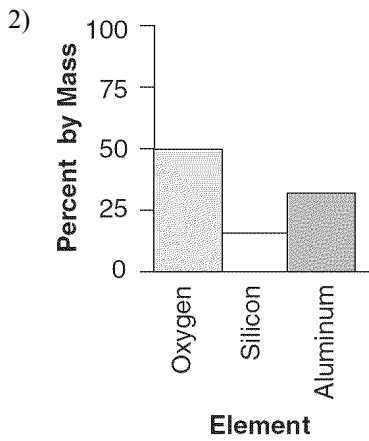
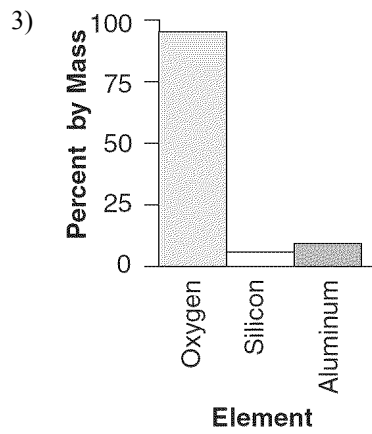
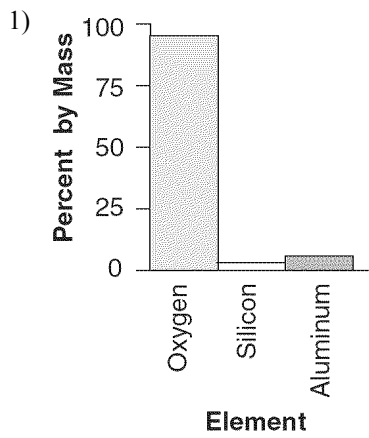
9. The pie graph below shows the elements comprising Earth's crust in percent by mass.



Which element is represented by the letter X?

- 1) silicon
- 2) lead
- 3) nitrogen
- 4) hydrogen

10. Which graph correctly represents the three most abundant elements, by mass, in Earth's crust?



Answer Key
Layer Practice CW

1. 1
 2. 2
 3. 2
 4. 2
 5. 2
 6. 4
 7. 1
 8. 4
 9. 1
 10. 4
-