

### Question 1

The layer of the atmosphere that is closest to the surface of the earth is the

- A) mesosphere.
- B) stratosphere.
- C) thermosphere.
- D) troposphere.

Answer: <https://biology-forums.com/index.php?topic=557247>

### Question 2

If sufficient oxygen is available to muscles during energy conversion, the by-products of energy production are water and

- A) pyruvic acid.
- B) lactic acid.
- C) carbon dioxide.
- D) ATP.

Answer: <https://biology-forums.com/index.php?topic=558157>

### Question 3

The ratio of different isotopes of an element, such as oxygen-16 and oxygen-18, will always be the same.

Answer: <https://biology-forums.com/index.php?topic=557111>

### Question 4

List two additional important metals, not including Fe, Cu and Al, and their uses.

Answer: <https://biology-forums.com/index.php?topic=557239>

### Question 5

A solution of toilet bowl cleaner has a pH of 9. The solution is

- A) weakly basic.
- B) strongly basic.
- C) weakly acidic.
- D) strongly acidic.

Answer: <https://biology-forums.com/index.php?topic=556529>

### Question 6

Iron is so abundant and useful that it accounts for roughly \_\_\_\_\_ of the world's metal production.

- A) 10 %
- B) 40 %
- C) 65 %
- D) 95 %

Answer: <https://biology-forums.com/index.php?topic=557188>

### Question 7

Which of the following variables would be the easiest to control?

- A) atmospheric air pressure
- B) a teenager's diet
- C) amount of antibiotic added to a bacterial culture
- D) political opinion

Answer: <https://biology-forums.com/index.php?topic=555643>

### Question 8

Which developed first?

- A) technology
- B) chemistry
- C) alchemy
- D) natural philosophy

Answer: <https://biology-forums.com/index.php?topic=555623>

### Question 9

Chloroform is

- A) CCl<sub>4</sub>.
- B) CHCl<sub>3</sub>.
- C) CH<sub>2</sub>Cl<sub>2</sub>.
- D) CH<sub>3</sub>Cl.

Answer: <https://biology-forums.com/index.php?topic=558030>

### Question 10

All of the following are sweet additives EXCEPT

- A) corn syrup.
- B) saccharin.
- C) aspartame.
- D) sodium propionate.

Answer: <https://biology-forums.com/index.php?topic=557888>

### Question 11

The white pigment used in paints today is titanium dioxide.

Answer: <https://biology-forums.com/index.php?topic=558416>

### Question 12

The non-carbon atom(s) generally found in heterocyclic compounds are

- A) sulfur.
- B) sulfur and nitrogen.
- C) sulfur, nitrogen and oxygen.
- D) halogens.

Answer: <https://biology-forums.com/index.php?topic=556850>

### Question 13

The commercial generation of power from a fusion reaction is not yet practical because of

- A) the danger of a nuclear explosion.
- B) the disposal of radioactive by-products.
- C) the high temperatures needed.
- D) the high cost of the nuclear fuel.

Answer: <https://biology-forums.com/index.php?topic=557097>

### Question 14

The use of aspirin to treat children's fevers has a strong link to the onset of Reye's syndrome.

Answer: <https://biology-forums.com/index.php?topic=558071>

### Question 15

Low-density lipoprotein is often called "bad cholesterol" because it

- A) breaks down cholesterol in the bloodstream.
- B) delivers cholesterol to the cells where it may be deposited in arteries.
- C) carries cholesterol to the lungs where it is oxidized.
- D) transports cholesterol to the liver where it is processed and excreted.

Answer: <https://biology-forums.com/index.php?topic=557828>

### Question 16

The fact that acetaminophen is prescribed more frequently in hospitals than aspirin is probably due to the fact that acetaminophen is NOT

- A) an anticoagulant.
- B) an antipyretic.
- C) an anti-inflammatory.
- D) synthetic.

Answer: <https://biology-forums.com/index.php?topic=557950>

### Question 17

When we buy products for household use, we should avoid products whose packaging is

- A) reusable.
- B) recyclable.
- C) degradable.

D) longest lasting.

Answer: <https://biology-forums.com/index.php?topic=558330>

### Question 18

Which of the following vitamins is NOT found in plants?

A) B6

B) A

C) B12

D) B3

Answer: <https://biology-forums.com/index.php?topic=558120>

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