



مدونة المناهج السعودية

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الموقع التعليمي لجميع المراحل الدراسية

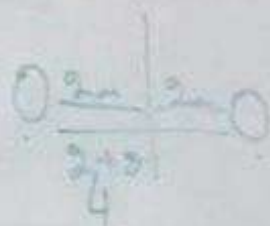
في المملكة العربية السعودية

12) An object is 2m from a plane mirror, its distance from the image is

- A) 4m
- B) 2m
- C) 3m
- D) 6m
- E) none of the above

13) A beam of light emerges from water into air at an angle bent

- A) towards the normal
- B) in a direction perpendicular to the normal.
- C) away from the normal.
- D) in a direction parallel to the normal.
- E) not at all.



14) The secondary rainbow is dimmer than the primary rainbow because



14) The secondary rainbow is dimmer than the primary rainbow because

- A) of a double reflection and refraction in the drops.
- B) it is larger, and its energy spreads across more area.
- C) it simply has much less energy than the primary bow.
- D) its colors are inverted.
- E) it is farther from the viewer.



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15) Which contributes more to an atom's mass: electrons or protons? Which contributes more to an atom's size?

- A) Protons contribute more to both the mass and size of an atom.
- B) Protons contribute more to an atom's mass while electrons contribute more to its size.
- C) Electrons contribute more to both the mass and size of an atom.
- D) Electrons contribute more to an atom's mass while protons contribute more to its size.

16) Elements that are in the same _____ have a tendency to have very similar chemical properties due to periodic trends.

- A) group
- B) period
- C) compound
- D) row
- E) textbook

A) group

B) period

C) compound

D) row

E) textbook

17) The following statement describes which subatomic particle best?
It is a nucleon.

A) an electron

B) a proton

C) a neutron

D) A and B

E) B and C



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A-3

18) According to the shell model, which electrons play the most significant role in determining the properties of