

Step 11 of 11 -

Question 11 of 25

Not yet graded

Change in the density of a material is caused directly by changes in:

- A. temperature
- B. pressure
- C. volume
- D. all of the above
- E. none

Answer Key: B

Feedback:

By the the Archimedes principle density differences is caused by the temperature and volume. In temperature, pressure has a rather minor effect.

Question 12 of 25

Not yet graded

The density of a material increases with:

- A. increasing volume
- B. increasing temperature
- C. decreasing pressure
- D. decreasing temperature
- E. none

Answer Key: D

Feedback: Volume (decreasing temperature), volume (decreasing volume) must increase from these options.

Question 13 of 25

Not yet graded

The weight of a surface layer in the ocean results in deeper than:

- A. 100 m
- B. 200 m
- C. 300 m
- D. 400 m
- E. 500 m

Answer Key: C

Feedback: 100 meters is about as deep as most the deep-ocean water masses (that the mass and it is about as deep as water masses formed by surface water upwelling with any great effect. Below this level the rate can still affect the temperature but it has gradual decrease in temperature from here on down. Considerably this is also about as far down as weight parameters come in the ocean water.

Question 14 of 25

Not yet graded

Water moving horizontally in the surface toward a region of sinking is called: