

Step 1 of 1 -

Question 1 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 2 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: B

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

Question 3 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 multiple density stratification with any given effect. Below this level the water mass will affect the temperature (and it has gained) because of long with depth from here on down. Considerably this is also about as far down as multiple stratification in the ocean water.

Question 4 of 25

Not yet graded

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