SUBMARINES

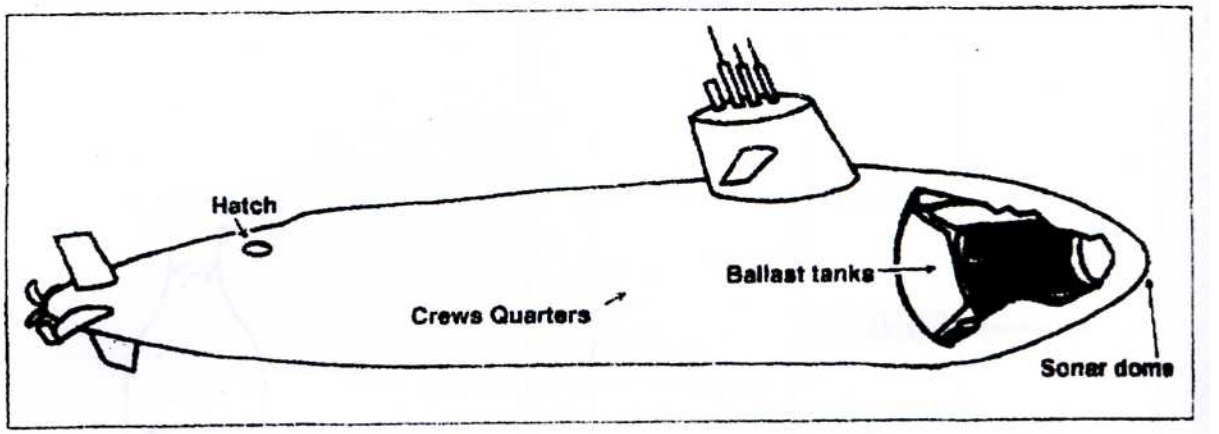

Figure H

A submarine has special tanks called **ballast** [BAL-ust] tanks. Ballast tanks are used to make the submarine heavier or lighter. When the ballast tanks are filled with seawater, the submarine **submerges**, or goes under water. When the water is forced out of the ballast tanks, the submarine rises and surfaces.

1. Adding ballast water makes a submarine _____ dense.
   more, less
2. Forcing ballast water out makes a submarine _____ dense.
   more, less
3. When a submarine is submerging its density is _____ than water.
   greater, less
4. When a submarine is surfacing its density is _____ than water.
   greater, less
5. When a submarine is submerging, its ballast tanks are _____ .
   full, empty

TRUE OR FALSE

In the space provided, write "true" if the sentence is true. Write "false" if the sentence is false.

_____ 1. A bar of steel will float on water.

_____ 2. Then density of steel is greater than water.

_____ 3. A steel ship will float on water.

_____ 4. A steel ship is mostly metal.

_____ 5. The density of a steel ship is greater than the density of water.

_____ 6. Part of every floating object is below the water.

_____ 7. Water pressure increases the deeper you go.

_____ 8. An object will float in water if it is less dense than water.

_____ 9. An object will sink in water if it is less dense than water.

_____ 10. A submarine can change its density.