

Name: _____

Fluid Dynamics Quiz Practice SPH4C

1. Which of the following fluids would have the lowest viscosity?
A. water B. syrup C. hand soap D. The viscosities are the same.
2. The viscosity of a liquid _____ as its temperature increases.
A. increases B. decreases C. remains the same
3. Flow in which the particles of the fluid move smoothly over each other is called _____ flow.
A. eddy B. laminar C. turbulent D. viscous
4. Streamlining of an object moving through a fluid reduces:
A. pressure B. turbulence C. viscosity D. all of the above
5. Which of the following objects would have the higher drag coefficient?
A. jet airplane B. parachute C. The drag coefficients would be the same.
6. Turbulence will _____ as the speed of the object moving through the fluid increases.
A. increase B. decrease C. remain the same
7. Fluid in a system will move more _____ through a pipe with a wider diameter.
A. quickly B. slowly C. turbulently
8. If the speed of a fluid is increased, the pressure is:
A. increased B. decreased C. unchanged D. It cannot be determined.
9. For an airplane wing to experience lift, the _____ of the air over the wing must be decreased.
A. pressure B. speed C. both A and B D. neither A nor B
10. In a severe windstorm, tightly-sealed windows are more likely to blow _____.
A. out B. in C. The tight seal means the windows won't blow.