

## Choose the correct answers

### Check Concepts

7. At what temperature is the pressure of the vapor in a liquid equal to the external pressure on that liquid?  
A) absolute zero      C) melting point  
B) boiling point      D) heat of fusion
8. What is the most common state of matter in the universe?  
A) solid      C) liquid  
B) gas      D) plasma
9. What is the amount of energy needed to change a solid to a liquid at its melting point?  
A) heat of fusion  
B) temperature  
C) heat of vaporization  
D) absolute zero
10. Which is a unit of pressure?  
A) gram      C) newtons  
B) kilopascals      D) kilograms



11. What force does the upward arrow in the diagram above represent?
- |             |                        |
|-------------|------------------------|
| A) pressure | C) buoyant force       |
| B) density  | D) gravitational force |
12. Which uses Pascal's principle?
- |                 |                     |
|-----------------|---------------------|
| A) aerodynamics | C) hydraulic lift   |
| B) buoyancy     | D) changes of state |
13. Which uses Bernoulli's principle?
- |                     |              |
|---------------------|--------------|
| A) hose-end sprayer | C) piston    |
| B) skateboard       | D) snowboard |