

THE PRESSURE OF FLUIDS

Complete this concept review handout and keep it as a record of what you have learned.

PRESSURE AND INCOMPRESSIBLE FLUIDS

The pressure exerted by an incompressible fluid on an object depends on _____
 _____ and _____

Examples of measuring instruments: _____

PRESSURE AND COMPRESSIBLE FLUIDS

The pressure in a compressible fluid depends on _____

Examples of measuring instruments: _____

The effects of variations in volume on the pressure of a compressible fluid

| Variation in volume | Result |
|---------------------|--------|
| If volume increases | |
| | |

The effect of a change in pressure on the volume of a compressible fluid

| Change in pressure | Result |
|-----------------------|--------|
| If pressure increases | |
| | |

PRINCIPLES RELATED TO VARIATIONS IN THE PRESSURE OF FLUIDS

- **First principle:** A fluid naturally moves from a zone of _____
toward a zone of _____
- **Second principle:** Pressure applied to the surface of a fluid inside a closed container

- **Third principle:** A transfer of pressure in a fluid can _____
