

Name _____

Date _____

Use with textbook pages 290-296.

What is pressure?

Vocabulary

area	liquids
compression	m ²
decreases	N
explosion	N/m ²
force	Pa
gases	pascal
increases	pressure
kilopascal	solids
kPa	volume

Use the terms in the vocabulary box to fill in the blanks. You can use the terms more than once. You will not need to use every term.

- _____ is the amount of force that acts on a given area of an object.
- _____ is a decrease in the volume of matter caused by a force. Pressure can cause a gas to be compressed. As a result, the volume of the gas _____.
- _____ are easy to compress, because their particles are spread far apart.
- If the heated gas is trapped inside a container, the gas particles bounce against the sides faster and more often. This means that the heated gas exerts more _____ on the inside of the container. This added pressure can lead to a(n) _____.
- In the formula $P = \frac{F}{A}$, P stands for _____, F stands for _____, and A stands for _____.
- Force is measured in _____.
Area is often measured in _____.
- A pressure that is equal to 1 N/m² is called a _____.
It has the symbol _____.
- Pressure is often measured in units 1000 Pa, which is called a _____.
It has the symbol _____.