

Drag and drop, some words may not be used.

temperature pressure outwards inwards mass zero
decreases decreases decreases
increases increases increases increases increases
weight stops

1. Boyle's law - At constant ^{1.} _____ as the pressure increases
the volume ^{2.} _____. As the pressure decreases the volume ^{3.} _____.
Pressure up Volume ^{4.} _____.
Pressure down Volume ^{5.} _____.
2. Charles's law - at constant ^{6.} _____ as the temperature increases
the volume ^{7.} _____. As the temperature decreases the volume ^{8.} _____.
3. pressure- in a container it is caused by the particles bumping into the sides of
the container and pushing ^{9.} _____.
In the atmosphere it is the ^{10.} _____ of the air above us,
from the top of the atmosphere down.
4. absolute zero -This is the lowest possible temperature, the motion of
the particles ^{11.} _____ and the volume goes to ^{12.} _____.
5. If the temperature remains constant, what will happen to the pressure of a gas if you decrease
the volume of the container that holds it? ^{13.} _____.
6. If the volume of a container of gas remains constant, what will happen to the pressure of a gas
if you increase temperature? ^{14.} _____.

Directions: Answer the following questions regarding temperature. Fill in your own answer

7. On the Kelvin scale, what is the freezing point of water? _____
8. On the Kelvin scale, what is the boiling point of water? _____
9. On the Celsius scale, what are the freezing and boiling points of water? Freezing _____
Boiling _____