

Name: \_\_\_\_\_ Hour: \_\_\_\_\_

### Pressure Conversion Worksheet

#### Useful Equations

$$1.00 \text{ atm} = 101.3 \text{ kPa}$$

$$1.00 \text{ atm} = 760 \text{ torr}$$

$$1.00 \text{ atm} = 14.7 \text{ psi}$$

$$1.00 \text{ atm} = 760 \text{ mmHg}$$

1. The pressure is recorded as 738 mmHg. Convert this measurement to atmospheres (atm).

answer = \_\_\_\_\_

2. The air pressure in a tire is 2.38 atm. What is this pressure in kilopascals?

answer = \_\_\_\_\_

3. The safety disk in a scuba tank will blow at a pressure of approximately 25000 kPa. Convert this pressure to mmHg.

answer = \_\_\_\_\_

4. The atmosphere supports a column of mercury that is 748 mm in height. What is atmospheric pressure in torr? Convert this pressure to atmospheres (atm).

answer = \_\_\_\_\_