

Chapter 1 –Worksheet #1
Chem 100

1. Express each of the following numbers in scientific notation
 - a. 1500 m

 - b. 0.0000000000958 m

 - c. 0.0000075 m

 - d. 150,000 mg

2. Calculate the volume of air that an adult person exhales in an 8 –hour day.
ASSUME that each breathe has a volume of about 1 L and that the person exhales 15 times a minute

3. Express the following amounts of gases in ppm.

a. 78% N₂

b. 21% O₂

4. Express your answers in # 3 in scientific notation