Concentration Worksheet

K =	/20
T/I =	/21
A =	/8

Knowledge

1. Give the formulas for v/v, w/v, ppm, ppb, and molarity. (8)

2. Read p142 – 143. Do Q 1-4. (12)

T/I Show all work!

3. Do q 1-3 page 126 (9)

4. Calculate the ppm of 2 mg of dioxin in 2000L. (3)

5. Calculate the ppm of 200 mg of arsenic in 350 L (3)

6. What is the molarity of a solution that has 3.7 moles of MgO in 2 L of solution? (3)

7. What is the molarity of a solution that has 5.67 moles of NaF in 3.73 L of solution? (3)

Application

8. What amount of silver nitrate is in 50.0 L of a 5.0 M solution? (4)

9. Seawater contains 0.055 M of magnesium chloride. What volume of seawater contains 4.1 moles of magnesium chloride? (4)