

## AMBIENT Content Questions

### Bacterial Movement Through Water: Part 2 – Dilution/Powers of Ten

1. What is ppm an abbreviation for?
  - a. Particles per microbe
  - b. Parts per micron
  - c. Parts per milliliter
  - d. Parts per million
2. If you make a solution of one drop of food coloring and 9 drops of water, what concentration have you made?
  - a. 50%
  - b. 10%
  - c. 90%
  - d. 0.10%
3. How do we express the value of ten to the first power?
  - a.  $1^{10}=1$
  - b.  $10^1=10$
  - c.  $10^1=1$
  - d.  $10 \times 10=100$
4. What is the mathematical rule with numbers to the power of zero? (example:  $5^0 = ?$ )
  - a. Any number to the power of zero is equal to the root number
  - b. Any number to the power of zero is equal to zero
  - c. Any number to the power of zero is an irrational number
  - d. Any number to the power of zero is equal to one