

Name:

Date:

Class:

Soap vs. Shampoo Post-Lab Quiz **Answer Key**

1. What is the main ion in hard water that causes dry skin?
A. sodium B. iron **C. calcium** D. chlorine
2. Pure water usually has a _____ surface tension compared to solutions (such as alcohol).
A. high B. medium C. low
3. The _____ is used to break the surface tension of the water.
A. viscosity **B. surfactant** C. pH
4. The _____ is the measurement of a liquid's resistance to flow.
A. viscosity B. surfactant C. pH
5. What is the main difference between soap and shampoo?
A. viscosity
B. surface tension
C. pH
D. reaction with hard water