

Conceptual Chem

Name _____ Date _____ Class _____

CHAPTER 11

CHAPTER ASSESSMENT

Applying Scientific Methods, *continued*

1. Describe how fire-fighting techniques use the concept of limiting reactants to extinguish fires.

2. If your clothes begin to burn, safety experts advise you to "Stop, Drop, and Roll." Why?

3. Why are long, narrow plots of brush and timber often cleared in large forested areas?

4. Why is it advisable to cover a spent campfire with dirt?

5. Cellulose, a material found in plant cell walls, is the chief fuel in forest and brush fires. It is composed of several thousand units of $C_{12}H_{12}O_{10}$ strung end-to-end. Balance the following chemical equation for the combustion of one $C_{12}H_{12}O_{10}$ unit.

