Answer Key: RAMP Video Fill-in Notes

Instructions
Fill in the notes below while you watch the video.

1. RAMP stands for:
   a. R Recognize Hazards
   b. A Assess Risks
   c. M Minimize Risk
   d. P Prepare for emergencies

2. Are hazards and risks the same thing? (circle one) YES/NO

3. Fill in the definitions:
   a. **HAZARD**—any source of potential injury, damage or harm.
   b. **RISK**—the likelihood you will be harmed by the hazard.
   c. **Example**: Lightning

4. The RAMP protocol
   a. Step 1: Recognize hazards
      i. Read the labels
      ii. Read the procedure
      iii. Identify any extreme hot/cold temperatures and high/low pressure
   b. Step 2: Analyze risk
      i. We use the Four Quadrant approach
      ii. Fill in the quadrants below as presented in the video (be sure to label axes!):

      | Severity |
      |----------|
      | Smaller Risks | High risk |
      | Smaller Risks | Smaller Risks |

      | Likelihood |
      |----------|
      | Smaller Risks |

   c. Step 3: Minimize Risk
      i. Hazards are intrinsic properties of chemical, equipment, or procedures.
      ii. Three main strategies:
         1. Use less hazardous chemicals or procedures
         2. Follow all safety precautions
         3. Wear appropriate personal protective equipment. These can include goggles, aprons, or gloves
   d. Step 4: Prepare for Emergencies
      i. Know the locations of all laboratory safety equipment
      ii. Review classroom procedures for common emergencies
      iii. Be prepared to report any chemical spills or contact with chemicals
      iv. ALWAYS REPORT unplanned incidents