

ARD Unit 1 Study Guide

1. Why is research and development important? List two past examples to support your decision.

research and development is important because they help you solve problems and find solutions. In my food science class, we had to research ingredient substitutes for a lab, this led us to testing those substitutes and finding out which one worked the best. Another time we used research and development in food science was when we did our final food product and we had to look up recipes and figure out which ones would be the easiest to follow.

2. List the 5 steps in the Problem-Solving Process.

- defining the problem
- proposing a solution
- developing a protocol
- collecting and analyzing data
- communicating results

3. Provide evidence on how each step of the Problem-Solving Process can be proven.

- ask a lot of questions, do background research
- find the cause and effect of the problem
- figure out what data needs to be collected
- do multiple experiments
- draw conclusions based on all the data

4. How will your strengths help you in project management? List examples for this course and your future.

Organizing will help me keep all my important information in place. Dependability will put a lot of responsibility on me, so I will make sure I do what needs to be done. Relating will help me get along with the people I'm working with.

5. How can you use the Decision Making Process in this course?

It can help me decide which choices are the best for me and which ones are more important than others.