Assignment 6

Unit B - Week 6

1. If the experimenter claims that metabolic rate is a reasonable measure of overall fitness, which of the following criticisms could be applied to this claim? (Select all that apply)
   - Many different factors can affect metabolic rate.
   - Metabolic rate is not a direct measure of an organism's ability to survive and reproduce.
   - Metabolic rate is not a reliable indicator of an organism's health status.
   - Metabolic rate is not a consistent measure across different species.
   - Metabolic rate is not a good indicator of an organism's stress levels.

2. In a research study, the experimenter claims that the treatment group had a significantly higher mean score than the control group. How would you interpret this result?
   - The treatment group performed worse than the control group.
   - The treatment group was given a better assignment than the control group.
   - The treatment group received a more effective intervention than the control group.
   - The control group was given a more difficult assignment than the treatment group.

3. The experimenter discovers that the treatment group had a significantly higher mean score than the control group. How would you interpret this result?
   - The treatment group performed better than the control group.
   - The treatment group was given a more difficult assignment than the control group.
   - The treatment group received a more effective intervention than the control group.
   - The control group was given a more effective intervention than the treatment group.

4. In a research study, the experimenter claims that the treatment group had a significantly higher mean score than the control group. How would you interpret this result?
   - The treatment group performed worse than the control group.
   - The treatment group was given a better assignment than the control group.
   - The treatment group was assigned a more difficult task than the control group.
   - The control group was given a more effective intervention than the treatment group.

5. The experimenter discovers that the treatment group had a significantly higher mean score than the control group. How would you interpret this result?
   - The treatment group performed better than the control group.
   - The treatment group was given a more difficult assignment than the control group.
   - The treatment group received a more effective intervention than the control group.
   - The control group was given a more effective intervention than the treatment group.

6. In a research study, the experimenter claims that the treatment group had a significantly higher mean score than the control group. How would you interpret this result?
   - The treatment group performed worse than the control group.
   - The treatment group was given a better assignment than the control group.
   - The treatment group was assigned a more difficult task than the control group.
   - The control group was given a more effective intervention than the treatment group.