Writing a Formal Hypothesis (self assessment)

Use the following link to complete the activity.
(http://www.accesssexcellence.org/LC/TL/filson/writhypo.php)

Write a quantitative formal hypothesis for the first four statements in the "How are Hypotheses Written" activity. Remember, YOU control the independent variable. Use the "if/related to /then" pattern illustrated above for writing your hypotheses that you will submit.

1. Chocolate may cause pimples.
   a. If the chocolate is related to pimple formation, then changing the amount of chocolate consumed will change the number of pimples formed.

2. Salt in soil may affect plant growth.
   a. If soil salinity is related to plant growth, then changing the salinity of the soil will change how well the plant grows.

3. Plant growth may be affected by the color of the light.
   a. If plant growth is affected by the color of light, then changing the color of the lights will change how well the plant grows.

4. Bacterial growth may be affected by temperature.
   a. If bacterial growth is affected by temperature, then changing the temperature will influence bacteria growth.

5. Ultra violet light may cause skin cancer.
   a. If ultraviolet light is related to occurrences of skin cancer, then changing the exposure to ultraviolet light will change the occurrence of skin cancer.

6. Temperature may cause leaves to change color.
   a. If the color change of leaves is affected by temperature, then changing the temperature will influence the color change of the leaves.