Deducing Disturbance Mechanisms

1 Identify a pattern you observed. (Note: you should provide more detail for report 2 than description below)

* 3 Douglas fir logs ($\approx$ 70 cm dbh), lying along fall line of slope. Logs fell across trail/old road east of bend in East College Way (east of "Rock Rings" sculpture).
* Left large gap ($\sim$ 150 m^2) in canopy
* Roots attached to boles, depressions/cradles ($\sim$ 1m deep) where roots pulled out.
* Trees fell at least 20 yr ago: solid covering of moss on upper surface of one, another w/out bark,
  Sword ferns growing in hole left by root wad.

2 Pose two hypotheses to explain the pattern. Both hypotheses must be plausible.
(Do not state a hypothesis that obviously is implausible, e.g., College gnomes cast a fatal spell on the trees.)
<u>Hypothesis 1</u>:

<u>Hypothesis 2</u>:

3 Use your hypotheses to predict additional patterns related to the pattern in part 1.
   Make your predictions <u>before</u> doing parts 4 and 5.
<u>Predictions for hypothesis 1</u>:

<u>Predictions for hypothesis 2</u>:

4 Search for the patterns predicted in part 3.
<u>Search results for hypothesis 1</u>:

<u>Search results for hypothesis 2</u>:

5 Use results of your search to evaluate your hypotheses in part 2.
<u>Hypothesis 1 evaluation</u>:

<u>Hypothesis 2 evaluation</u>: