Sample Preparation Practical Worksheet

Name:

Date:

Institution:

1. [3 POINTS] Name two ways the preparation of sample grids using the chameleon or Spotiton devices differs from how they are prepared in standard plunge freezers.
2. [2 POINTS] Describe the grids used in Spotiton or chameleon and how they differ from the grids used in a standard plunge freezer.
3. [2 POINTS] What are two factors that affect the ‘wicking speed’ of grids prepared in chameleon or Spotiton?
4. [2 POINTS] Describe generally the pattern of ice coverage and ice thickness you will observe on a grid prepared in Spotiton or chameleon versus the standard method?
5. [1 POINTS] If you could add a feature to the chameleon or Spotiton, what would you add and why?