Plunge Freezer/Cryo Sample Preparation Practical Worksheet

Name:   
Date:   
Institution:

1. **(1 pt)** Fill in the following images with the appropriate components.

A picture containing text

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A picture containing text, indoor

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1. **(3 pts)** Describe the process of vitrification for cryoEM, and outline how it is accomplished using a plunge freezer?
2. **(3 pts)** Compare and contrast the purpose of glow discharging for negative stain vs cryogenic grid preparation.

1. **(3 pts)** Describe the how blot-free vitrification techniques may assist with specimen preparation.