Assignment 3

Week 3

Which of the following supports very slow freezing conditions?
- Large ice crystals
- Smaller ice crystals
- Smaller ice crystals and a high vapor pressure
- Smaller ice crystals and a low vapor pressure

Which of the following statements about PLOY correct?
- It is a material that provides the necessary moisture supply for the interior of a hospitable environment.
- It prevents the formation of ice on the surface of water bodies.
- It enhances the absorption of solar energy in the atmosphere.
- It increases the temperature of the ocean surface in polar regions.

Which one of the following is NOT a biological vessel of plants forming ability?
- Xylem
- Phloem
- Parenchyma
- Wood

The characteristics of human nature morphology of sandal wood are:
- Chlorophyll
- Trichomes
- Vessels
- Parenchyma

Which of the following statements are correct for the formation of stalagmites?
- They require high temperatures and low pressure for formation.
- They are formed by dripping of water rich in calcium carbonate.
- They are typically found in karstic landscapes.
- They are formed by the precipitation of calcium carbonate from water.

Mechanical polishing leading to:
- Reduction in the number of surface defects
- Increase in the polish energy of a crystalline plate
- All of the above
- None of the above

In the plant kingdom, the formation of starch is:
- Photosynthetic
- Chemical
- Both photosynthetic and chemical
- Neither photosynthetic nor chemical

Which step is the zeolite fraction of clay minerals in Column 2 into Column 3 with the corresponding reactant of Column 4?

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Column 2</th>
<th>Column 3</th>
<th>Column 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium</td>
<td>Calcium</td>
<td>Magnesium</td>
<td>Alkaline</td>
</tr>
<tr>
<td>Chloride</td>
<td>Phosphate</td>
<td>Silicate</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

"The last shift on the second floor has a large number of people".