

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Snow Water Equivalent (SWE) Protocol 1**

**\*\*\* Adapt this document to your students’ level \*\*\***

1. **Use the beaker to take a sample of snow (without compacting it).**
2. **Note the quantity of snow in the beaker.**

*The beaker contains \_\_\_\_\_\_\_\_\_\_\_\_ ml of snow.*

1. **Melt the snow in a pot.**
2. **Put the water back in the beaker.**
3. **Note the quantity of water in the beaker.**

*The beaker contains \_\_\_\_\_\_\_\_\_\_\_\_ ml of water.*

1. **Calculate the Snow Water Equivalent.**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_÷\_\_\_\_\_\_\_\_\_\_\_\_\_\_ x100=\_\_\_\_\_\_\_\_\_

Quantity of water Quantity of snow SWE (%)

1. **Repeat steps 1 to 6 for each type of snow and note the results in a table.**

|  | *Aqilluqaq* | *Sitilluqaq* | *Pukajaq* |
| --- | --- | --- | --- |
| Quantity of snow |  |  |  |
| Quantity of water |  |  |  |
| Snow Water Equivalent |  |  |  |