**Shuswap Watershed Poster Catalyst Study Questions**

These questions were developed by long time teacher and environmental advocate

Mr. Art Hebert

**A.** List five rivers in the Shuswap Watershed:

**B.** List three rivers which would have the largest volume or flow at their mouths:

**C.** Which river is the longest? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**D.** List the three largest lakes in the Shuswap Watershed:

**E.** List two other lakes in the Shuswap Watershed:

**F.** Which First Nations group gave the Shuswap River its name? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**G.** What type of geographical feature provides the source or headwaters of some of these rivers? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**H.** How does the poster show you where the highest mountainous areas of the Shuswap Watershed are located? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**I.** Which lake would you prefer to go boating on? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Why? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**J.** Which lake would you prefer to go fishing in? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Why? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**K.** Which lake would you like to live by? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Why? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**L.** Which resource-based industry has had the greatest effect on the natural landscape of the Shuswap Watershed? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**M.** How can you tell where this industry has occurred on the poster of the Shuswap Watershed?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**N.** How can you tell where the parks or protected areas occur on the poster of the Shuswap Watershed? **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**O.** How can you tell where most of the people live and impact the watershed?

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**P.** Locate the highest point in the Watershed and list its height: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Height ? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Q.** Locate the lowest point in the Watershed (without going underwater) and list its height in meters: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**R.** Calculate the difference from the highest point to the lowest point. Highest pt. \_\_\_\_\_\_\_\_\_\_

 Minus Lowest pt. \_\_\_\_\_\_\_\_\_\_

 Distance the water falls = \_\_\_\_\_\_\_\_\_\_\_

**S.** List five large, **wild** mammals that live in the Shuswap Watershed:

**T.** List five small, **wild** mammals that live in the Shuswap Watershed:

**Q.** List five wild mammals that partially rely on fish for their source of food:

**R.** List five wild birds that partially rely on fish for their source of food:

**S.** List three insects or other invertebrates that fish eat:

**T.** List five **native** species of fish in the watershed:

**U.** List three types of salmon which spawn in the lakes, rivers, and streams of the Shuswap Watershed

1.

2.

3.

**V.** Which type of salmon is the largest?

**W.** List two invasive species that are having a negative effect on the native species.

1.

2.

**X.** List three threats to the native fish of this watershed.

 1.

 2.

 3.

**Y.** Which river in the watershed has the largest number of spawning fish?

**Z.** How often does the dominant run of salmon occur?

**I.** List three important conditions for successful spawning

 1.

 2.

 3.

**II.** List three creeks or rivers in the watershed that support salmon spawning.

 1.

 2.

 3.

**III**.List three human caused threats to successful spawning.

 1.

 2.

 3.

**IV.** List three ways that you might help to preserve and care for this watershed.

 1.

 2.

 3.

**V.** Approximately how far do the spawning salmon swim from the ocean to the Shuswap River near Mabel Lake?

**VI.** Approximately how long does it take them to make this journey?

**VII.**  Which man made obstacle on the Shuswap River prevents the spawning salmon from reaching The Upper Shuswap River and Sugar Lake?