

**Obstacles to Transportation: Quiz/Questions to go with each section of the Learning Object Collection (LOC)**

**Instructions: As you go through the sections of the LOC, have students either do these at the end of each section or while going through the section. For T / F questions have students add why it is true or false.**

**Avalanches & Slide Paths**

1. Two words that you feel describe an avalanche slide path are: \_\_\_\_\_, \_\_\_\_\_
2. T / F Avalanche paths affect major transportation routes in British Columbia.
3. T / F The Trans-Canada Highway runs through Rogers Pass, BC.
4. A \_\_\_\_\_ is something that protects transportation routes through Rogers Pass.

**Avalanches as Obstacles to Transportation**

1. More than \_\_\_\_\_ avalanche paths affect public roads in Canada.
2. List four types of transportation that avalanches can be obstacles to. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
3. Who provides avalanche training opportunities to the public? \_\_\_\_\_  
\_\_\_\_\_
4. T / F Avalanches are a concern for industry. Provide an example: \_\_\_\_\_

**Observe:**

1. The earliest recorded avalanche observations were in \_\_\_\_\_ (year) by Sykes in Rogers Pass.
2. These early observations of Sykes were done for the \_\_\_\_\_  
\_\_\_\_\_.
3. T / F Avalanche professionals record snow and avalanche data today.

**Avoid:**

1. First Nations people had an understanding of avalanche activity in the mountains prior to contact and tried to help \_\_\_\_\_ understand and avoid this danger.

2. The “loops” in the railway at the western entrance to Rogers Pass had two main purposes, these were: \_\_\_\_\_ and \_\_\_\_\_
3. The Connaught Tunnel was built in \_\_\_\_\_ to help avoid extreme \_\_\_\_\_ hazards.
4. Why might the railway have abandoned the loops?
5. Why does the Canadian Avalanche Centre issue a daily avalanche bulletin?
6. What has Parks Canada done to help backcountry recreationalists evaluate avalanche terrain?
7. List the different ways to avoid avalanche terrain.

**Defend:**

1. What is the purpose of the snowshed?
2. Snowsheds are used to protect what two forms of transportation?

**Attack:**

1. T / F Heli-bombing is not a versatile way of attacking avalanche areas.
2. In order for heli-bombing to be effective, it requires what?
3. List some other ways to attack and stabilize avalanche areas. What do you think the pros and cons of each are?

**Cleaning up the Obstacle:**

1. T / F Working to clear avalanche debris was a safe job.
2. T / F Men on digger gangs used to dig by hand.
3. T / F Avalanches are powerful enough to move a train locomotive.
4. T / F The Rotary Snow Plough was a Canadian invention.
5. Why was the Rotary Snow Plough not used post the 1960's?
6. How has clearing out avalanche debris become safer over the years?
7. Describe how technology has made clearing of avalanche debris more efficient.