Handout M10-1. Fire and Soil

Name: ___________________

1. What 2 forms of heat transfer move heat down into the soil?

2. Write the definition of each term:
   a. Vegetation burn severity:
   
   b. Soil burn severity:

3. Which photo shows a place that is likely to experience high soil burn severity? Why?

4. Describe the soil burn severity in the photo on the right (B).

5. What places in the video will probably experience low burn severity? Why?

6. After the flames have passed, what fuels are likely to keep on burning and producing heat?

7. In the photo, circle and label an area likely to have:
   a. low soil burn severity
   b. high soil burn severity

Photo by Michael Yager
8. What is likely to happen if it rains after a fire has removed all of the litter, duff, and plant cover from the soil?

9. After a fire, what kinds of places are most likely to have severe erosion?

10. In the photo, circle and label 3 areas:
   a. A place likely to have high soil burn severity
   b. A place likely to have low soil burn severity
   c. A place that is likely to have severe erosion