

## (a) Before forest harvesting

### Rainfall season

Canopy light interception



Poor understory

Occurrence of surface erosion

### Freeze-thaw season

Interception of downward shortwave radiation

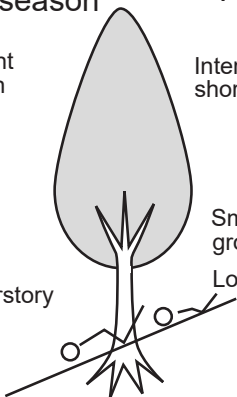


Small diurnal changes in ground temperature

Long snowcover period

Active rockfall and dry ravel

Predominance of deep frost creep



## (b) After forest harvesting

### Rainfall season

No light interception



Rich understory

Prevention of surface erosion

### Freeze-thaw season

Large amount of upward longwave radiation



Large diurnal changes in ground temperature

Short snowcover period

Capture of sediment by woody debris

Predominance of needle-ice creep

