

Answer

1. List 3 human activities that increase landslide risks.

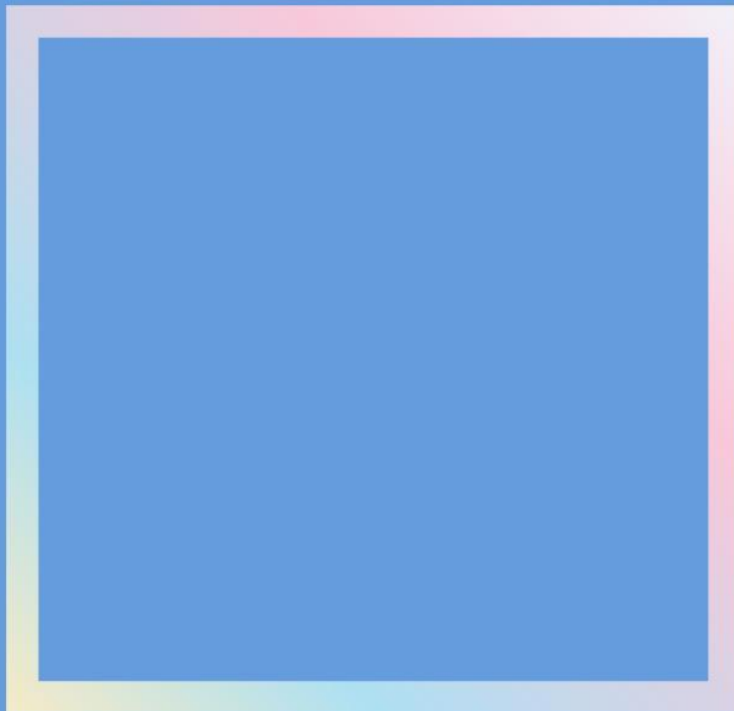


2. Why does heavy rainfall often trigger landslides?

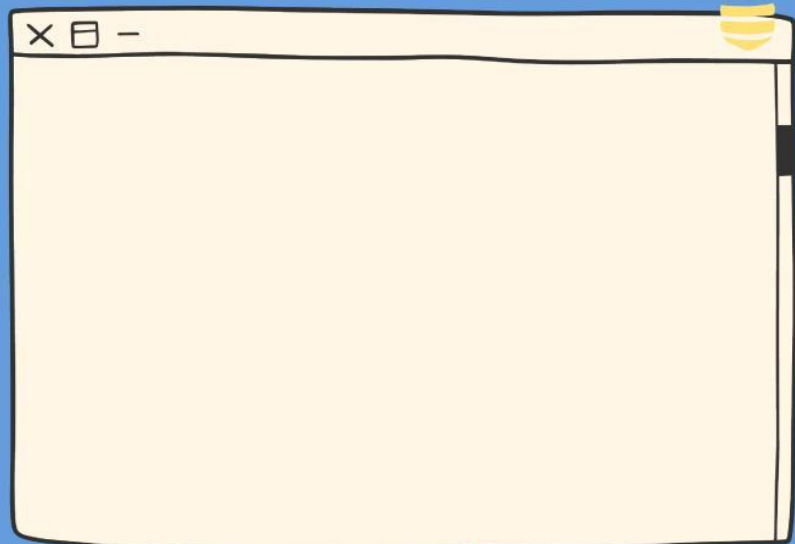


CRITICAL THINKING

1.If a mountain slope is deforested, how does this affect landslide probability? Explain.



2.Why does planting vegetation reduce landslide risks?



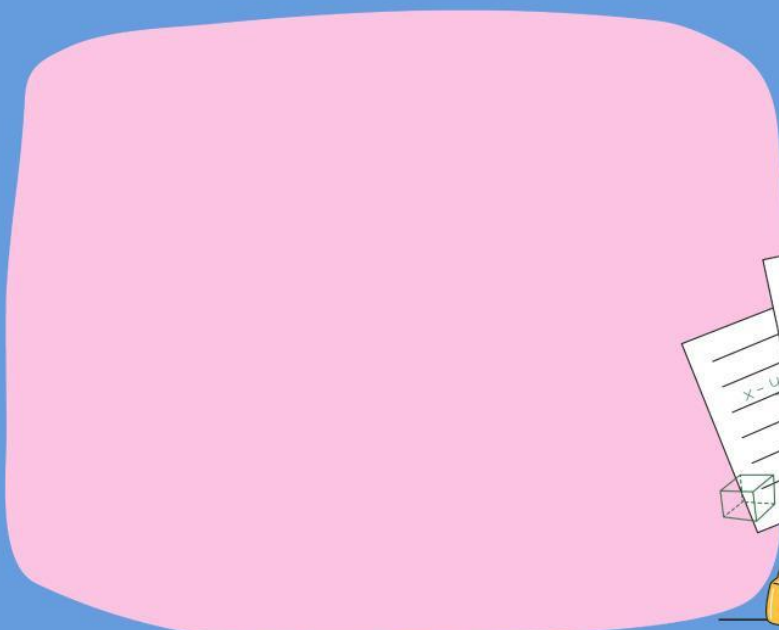


MATH IN LANDSLIDE RISK CALCULATION

Slope Percentage:

1.If a mountain rises 500m over a horizontal distance of 2000m, what is the slope percentage?

Formula: [=]



Speed and Time:

2.If a landslide travels at 20 m/s, how long does it take to cover 3 km?

Formula: [=]

