

Topic: Climate and Moisture

Aim: What factors affect water's movement into the ground?

Remember that **INFILTRATION** and **RUNOFF** are opposites. If a factor allows for more infiltration, there will be less runoff. If a factor causes more runoff, there will be less infiltration.

<p>1. Slope</p>	<p>As slope increases (becomes more steep), the amount of runoff INCREASES.</p>
<p>2. Permeability</p>	<p>As permeability of the soil increases, the amount of infiltration INCREASES.</p>
<p>3. Saturation</p>	<p>If the ground becomes saturated, water will have to RUNOFF.</p>
<p>4. Rate of Precipitation</p>	<p>If precipitation is falling hard and fast, the ground cannot absorb it quick enough and more water will RUNOFF.</p>
<p>5. Temperature of the Ground</p>	<p>When the ground becomes frozen, more water will RUNOFF.</p>
<p>6. Vegetation</p>	<p>Plants' roots create more openings for water and increase the amount of INFILTRATION.</p> <p>Plants stems also act as barriers and reduce the amount of RUNOFF.</p>