

Student task:

Arrange these cards into the correct order to explain the process of frost heave in a periglacial environment.

This allows more moisture to rise from the permafrost and freeze.	The area under a stone becomes colder than the surrounding soil.
Ice crystals therefore will form under the stone.	The ice crystals (or lenses) force the stones above them to rise until the eventually reach the surface.
The thermal conductivity of stones is greater than that of the soil.	Ice crystals expand and widen the capillaries within the soil.



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Teacher notes:

- Cut out the starter activity and distribute to the students.
- They should then cut out the six statements and arrange them in order to explain the process of frost heave in a periglacial environment.

Correct order:

1. The thermal conductivity of stones is greater than that of the soil.
2. The area under a stone becomes colder than the surrounding soil.
3. Ice crystals therefore will form under the stone.
4. Ice crystals expand and widen the capillaries within the soil.
5. This allows more moisture to rise from the permafrost and freeze.
6. The ice crystals (or lenses) force the stones above them to rise until they eventually reach the surface.