

Why certain wildfires are necessary?

Task 1. Watch video.

<https://youtu.be/cNVZEVq3KzY>

Task 2. Choose the correct answer.

1. Lodgepole pine seedlings prefer to grow on _____, sunny ground.

- Crowded
- Dry
- Wet
- Open

2. Mature lodgepoles will form an umbrella-like structure called a(n) _____ that shades the forest floor.

- Canopy
- Parachute
- Awning
- Gable

3. Douglas fir trees thrive beneath the umbrella of the taller lodgepoles because they are _____.

- Shade intolerant
- Sun reactive
- Sun destructive
- Shade tolerant

4. Lodgepole pine trees develop two types of cones: an annual cone and a(n) _____ cone.

- Biannual
- Bilateral
- Serotinous
- Resinous

5. Wildfire can reach the crown of lodgepole pines by using smaller trees as a _____.

- Stepladder
- Springboard
- Ramp
- Catapult

Task 3. Think and answer.

- ✓ The great naturalist, Charles Darwin considered the use of fire one of the most important achievements of humanity. Defend the above statement with empirical evidence from your own life.
- ✓ Discuss why it is healthier for western forests to endure frequent but small wildfires rather than one immense catastrophic forest fire.
- ✓ Though often thought of as separate, abiotic (non-living) and biotic (living) factors are intertwined in a dynamic relationship (e.g. fire dependent lodgepole pine trees). Illustrate and explain other examples of how these factors interconnect with each other.