



instagram @little_home_jones

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Pine Cone

ANATOMY

RACHIS

The central axis from which scales grow.

SCALES

Woody growths from central axis.

PRICKLE

Some pine cones have sharp spikes at the end of umbo.

UMBO

Protective exterior end of the scale.

SEED

&

WING

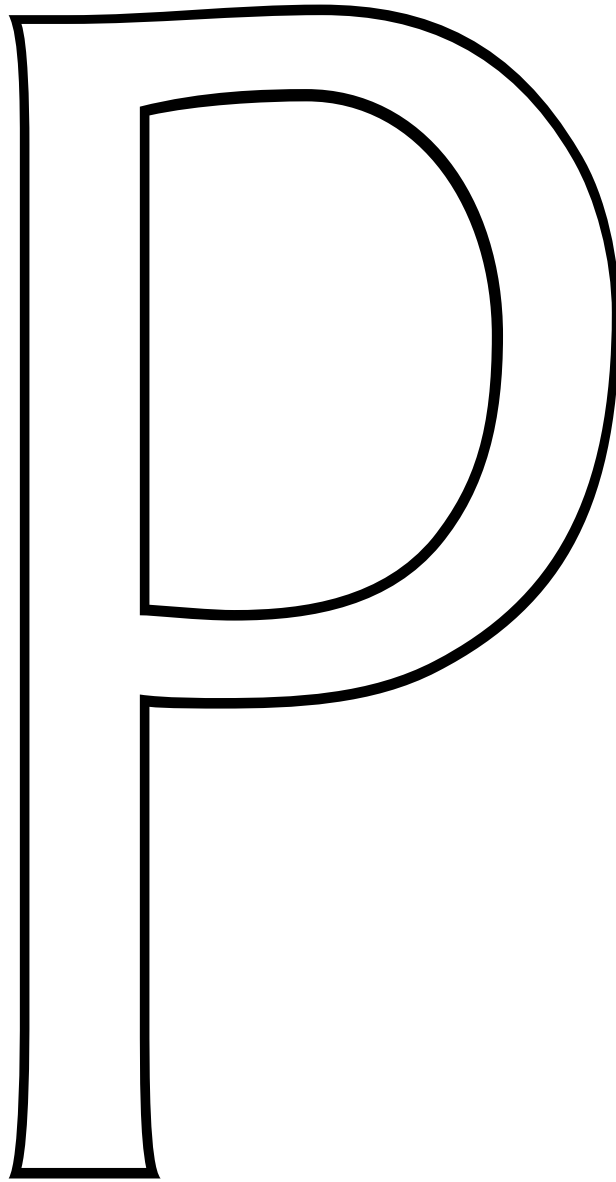
Each seed is attached to a wing.

PEDUNCLE

The stem that attaches the cone to the branch.



- trace with your finger or fill with loose parts -



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PINE CONE

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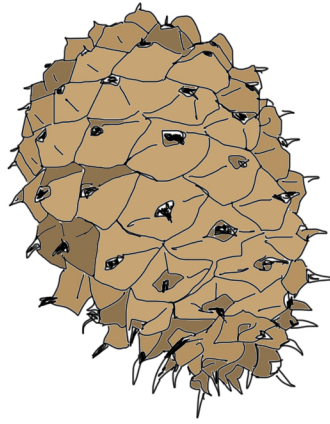
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Serotinous Pine Cone Cycle

of the Lodgepole Pine (*pinus contorta* var. *latifolia*)

CLOSED CONE

the cone hangs from the pine tree and is sealed with resin and woody tissue awaiting an environmental trigger like a forest fire



FOREST FIRE



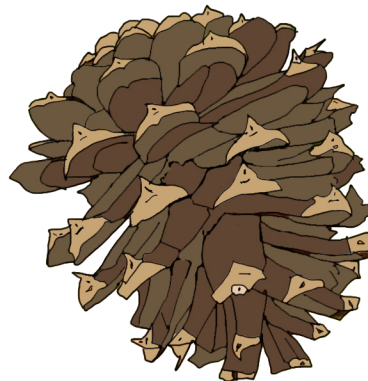
NEW GROWTH

carbon rich soil and increased sunlight promote seedling growth



SEEDS

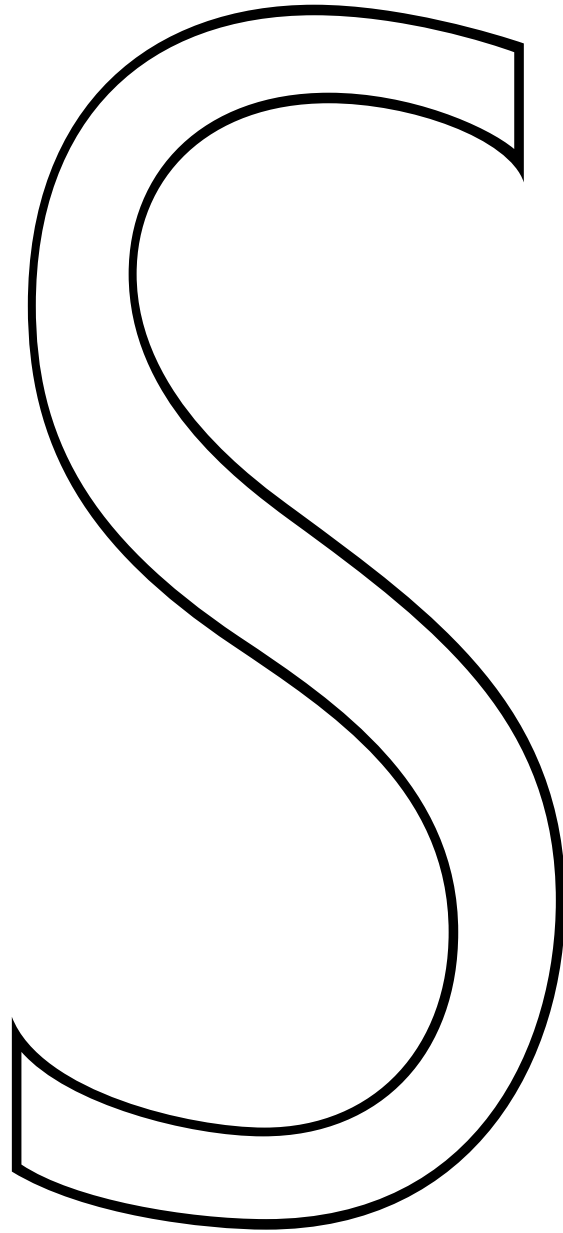
seeds stay safe inside the cone until released and dispersed by wind and gravity



OPEN CONE

high heat from a forest fire causes cone to open and release seeds

- trace with your finger or fill with loose parts -



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SEROTINOUS