Ceneral Approach: (For STUDYING!)

1. Gather/record information (fut-find)

2. Brainstorm "What if" guestions (anticipate that guestions)

. Change initial conditions

. Change ecological rules

. Change human/animal tehanor

3. Highlight information that relates to the what-if guestions (possibilly of more fat-finding)

4. Use that in formation to make/

Justify a prediction in response to what-if guestions

1. Before European-American settlers came to the Willamette Valley, how did Native Americans influence the native vegetation in the valley? Why did the Native Americans do these things? (5 minutes)

They burned annually @ end of summer. To create prairie open-woodlands enlourged growth of beneficial plants, made hunting easier. D What if the W.V. had been a dense Oak forest prior to burning? (3) What if fire encourged the growth

of Douglas Fir? 3 What if deer preferred onk leaves to grass?

· Burning created prairie open woodlands

- Burning Railitated hunting

. Fires were wol due to lack of Rel . Douglas Fr outcompetes other trees

· Fires burned buby oaks

Burning would continue be cause burnings promoted oak Savanna Which would provide God. However, the N.A.'s might burn less often or less area to avoid purning all the baby oals

What your test answers
Should look like! (Predictions that are justified.)

Describe the process by which coniferous forest communities now dominate so many areas that were previously occupied by prairie and oak savanna. (10 minutes)

.... In formation already gathered: · Trees & shrubs come in to open areas over time (not burned) · Douglas Firs grow fasto talker · Daks die eventually (lack of sun)
· · · Brainstorm "What if & Questions · What if there were no shrubs/trees (except oaks) anywhere near the · What if Douglas Firs grew fit but not tall? · What if deerlother animals ate Douglas Fir cones? Highlight/find relevant information

No new plants (shrubs & trees)

growing

Existing prairie vegetation? -> Firs don't take over -> Oaks don't die Predict and justify: trairies oak savanna grasses & flowers would persist -> no new Test trees & shrubs that take their smlight. They would be less abundant > More MISHUS will oaks (babies aren't dying since there's no fire of old trees are getting sun since there are no firs). Overall: oak LUDK like tirest with grasses & flowers.