

# 04/30 Producers and energy #3

1. What is a producer?
2. List the producers in this ecosystem.

• Producers are organisms that make their own food (from energy photosynthesis) using energy from the sunlight

eat



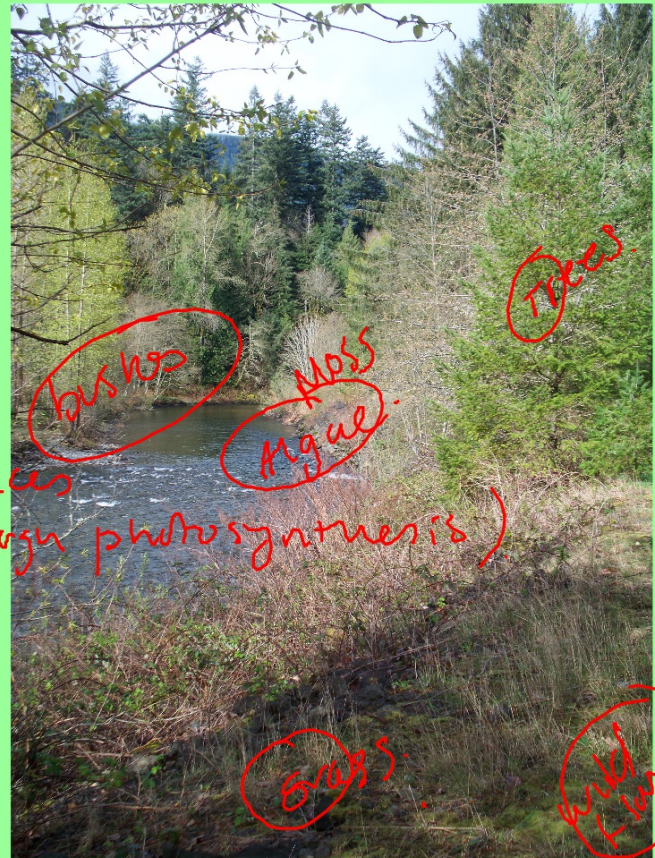
Learning

Target: I can identify producers in an ecosystem.

# 04/30 Producers and energy #3

1. What is a producer?
2. List the producers in this ecosystem.

↳ gets energy from the sun and produces its own food. (through photosynthesis)  
Provides food for other organisms.



## Learning

Target: I can identify producers in an ecosystem.



**Consumers are organisms that feed directly or indirectly on producers**

**Primary Consumers feed ONLY on plants (herbivores)**

**Other consumers feed on plants or animals or both (omnivores)**



**Learning Target:**

**I can find evidence of energy in food**

04/30

## Producers and energy #3

**A producer is an organism that can make its own food.**

Producers use a source of energy to turn simple raw materials into food



**Learning**

**Target:** I can find evidence of energy in food

## 04/30 Producers and energy

#3

Take a minute to review your ecosystem vocabulary before a short practice quiz.



I can find evidence of energy in food

A Individual

B Population

C Community

D Ecosystem

E Abiotic

F Biotic

	Level 1		
1	7	1	0:13
10	6	2	0:13
11	8	0	0:13
12	8	0	0:11
13	0	0	0:00
14	7	1	0:08
15	6	2	0:12
16	0	0	0:00
17	7	1	0:09
18	4	4	0:10
19	6	2	0:19
2	5	3	0:20
20	8	0	0:14
21	5	3	0:10
22	8	0	0:17
23	0	0	0:00
24	7	1	0:13
25	1	7	0:16
26	7	1	0:14
27	6	2	0:10
28	8	0	0:07
29	5	3	0:23
3	8	0	0:16
30	6	2	0:19
31	5	3	0:17
32	0	0	0:00
33	8	0	0:11
34	8	0	0:10
4	8	0	0:10
5	0	0	0:00
6	0	0	0:00
7	8	0	0:18
8	8	0	0:08

g chemical and physical factors in the environment.

gle organism.

individuals of one kind (one species) in a specified area

rganisms and products of organisms.

nteracting populations in a specified area.

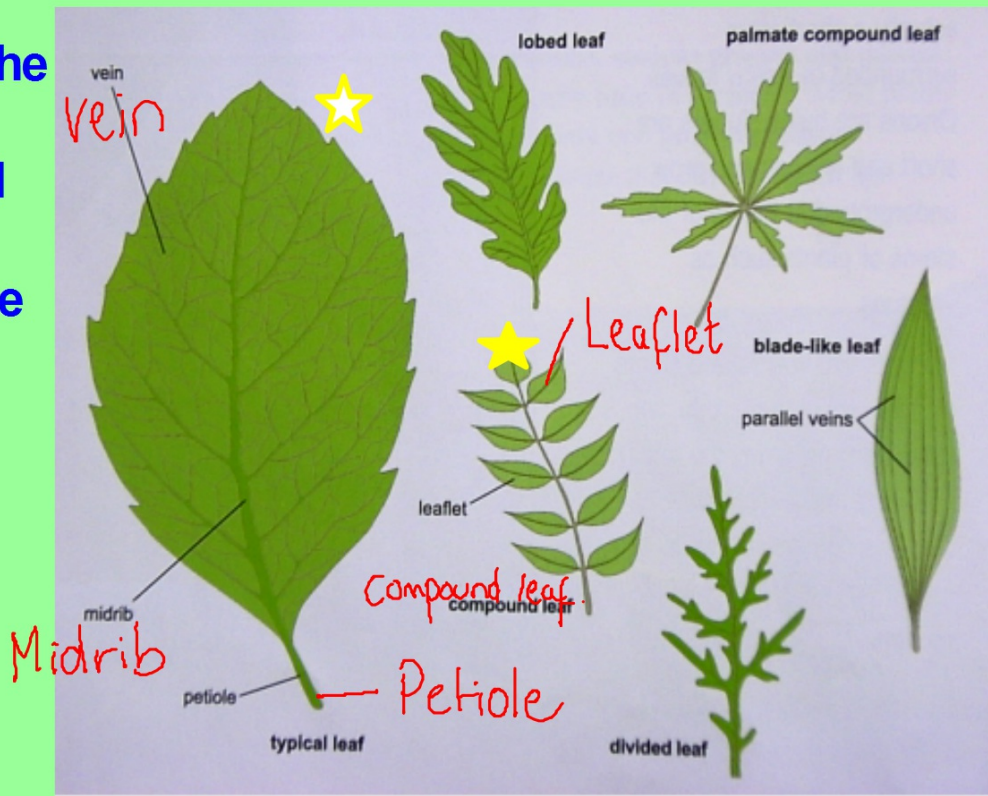
n of interacting organisms and nonliving factors in a specified area.

04/30

Producers and energy

#3

Copy the two starred leaves with the labels



I can identify producers in an ecosystem.



05/01 Producers and energy #3

Field Visit #5

Time and Date:

Weather:

Observation of changes:

Sketch of a producer



*half page*



I can identify producers in an ecosystem.



04/30 Producers and energy #3



douglas fir oregon grape hemlock salal blackberry scotch broom sword fern cedar

Learning

target: I can identify producers in an ecosystem.

04/30 Producers and energy #3

Today you are going to begin to make a field notes page beginning with a rough draft in your journals.



I can make detailed observations of plants and show the detail in an accurate drawing.

04/30 Producers and energy #3

**Make your rough draft field notes page.**

**Your final copy will be due Thursday  
at the end of class.**



**Learning  
target:**

I can make detailed observations of plants and show the detail in an accurate drawing.

## Organism Field Notes Rubric

<b>Each organism</b>		
<b>Name</b>	Include the Latin and the common name. Include also its place in the food web.(producer/consumer)	1
<b>Habitat</b>	Describe the habitat where the organism is found. describe the abiotic and biotic factors in the area your species was found	2
<b>Description</b>	Brief description of the organism including but not restricted to, size, color, leaf description, whole plant/animal description. include measurements.	3
<b>Drawing</b>	Accurate, detailed, labeled drawing of the organism. ( you may label a pressed sample of a producer)	3
<b>Interesting fact</b>	Research and write in your own words one interesting fact.	1
	Total	10



**Learning target:**

I can make detailed observations of plants and show the detail in an accurate drawing.



Period 2

	Level 1		
	✓	✗	🕒
1	6	2	0:16
10	6	2	0:10
11	7	1	0:11
12	3	5	0:12
13	8	0	0:15
14	6	2	0:14
15	6	2	0:16
16	7	1	0:15
17	8	0	0:07
18	8	0	0:11
19	8	0	0:13
2	8	0	0:18
20	7	1	0:12
21	8	0	0:25
22	5	3	0:15
23	0	0	0:00
24	7	1	0:37
25	7	1	0:15
26	7	1	0:07
27	6	2	0:15
28	7	1	0:14
29	0	0	0:00
3	8	0	0:11
30	7	1	0:15
31	6	2	0:13
32	0	0	0:00
33	8	0	0:09
34	3	5	0:13
4	0	0	0:00
5	4	4	0:13
6	0	0	0:00
7	4	4	0:20
8	6	2	0:25
9	6	2	0:26

	Level 1		
	✓	✗	🕒
1	8	4	0:28
10	8	3	0:18
11	8	3	0:24
12	8	16	0:35
13	8	1	0:34
14	8	12	0:36
15	8	12	0:30
16	8	1	0:28
17	8	1	0:20
18	8	6	0:28
19	8	4	0:32
2	8	2	0:32
20	8	2	0:31
21	8	4	0:52
22	8	5	0:29
23	0	0	0:00
24	8	3	0:37
25	8	0	0:19
26	8	0	0:14
27	8	5	0:26
28	8	4	0:27
29	0	0	0:00
3	8	1	0:18
30	8	4	0:43
31	8	5	0:36
32	0	0	0:00
33	8	2	0:16
34	8	31	0:43
4	0	0	0:00
5	8	2	0:17
6	0	0	0:00
7	8	19	0:49
8	8	3	0:37
9	8	6	0:35

## Period 3

	Level 1		
	✓	✗	🕒
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11	8	0	0:22
12	8	1	0:28
13	8	14	0:52
14	8	3	0:28
15	0	0	0:00
16	8	2	0:35
17	8	12	0:40
18	8	6	0:34
19	0	0	0:00
2	8	4	0:48
20	8	3	0:24
21	8	0	0:25
22	8	2	0:20
23	0	0	0:00
24	8	0	0:30
25	8	1	0:18
26	8	13	0:34
27	8	0	0:23
28	8	2	0:51
29	8	8	0:38
3	8	0	0:16
30	8	9	0:33
31	8	1	0:14
32	8	5	0:28
33	8	4	0:26
34	8	1	0:14
4	8	9	0:40
5	8	3	0:26
6	0	0	0:00
7	8	0	0:21
8	8	1	0:29
9	8	5	0:23

	Level 1		
	✓	✗	🕒
1	8	0	0:16
10	8	0	0:08
11	6	2	0:17
12	8	0	0:07
13	5	3	0:15
14	7	1	0:13
15	0	0	0:00
16	8	0	0:13
17	8	0	0:12
18	6	2	0:08
19	0	0	0:00
2	4	4	0:17
20	7	1	0:10
21	7	1	0:11
22	8	0	0:08
23	0	0	0:00
24	8	0	0:08
25	8	0	0:12
26	3	5	0:10
27	8	0	0:07
28	7	1	0:13
29	7	1	0:12
3	8	0	0:09
30	6	2	0:06
31	6	2	0:18
32	6	2	0:16
33	8	0	0:15
34	8	0	0:08
4	7	1	0:09
5	7	1	0:08
6	0	0	0:00
7	7	1	0:08
8	7	1	0:17
9	8	0	0:09



1	8	12	0:42
10	8	3	0:36
11	8	15	0:48
12	8	0	0:21
13	0	0	0:00
14	8	2	0:15
15	8	6	0:38
16	0	0	0:00
17	8	1	0:19
18	8	20	0:38
19	8	3	0:27
2	8	21	0:36
20	8	3	0:19
21	8	10	0:22
22	8	1	0:27
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26	8	8	1:08
27	8	10	0:29
28	8	0	0:14
29	8	5	0:46
3	8	14	0:44
30	8	6	0:26
31	8	6	0:37
32	0	0	0:00
33	8	18	0:46
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4	8	12	0:45
5	0	0	0:00
6	0	0	0:00
7	8	3	0:26
8	8	0	0:17

Level 1			
	✓	✗	🕒
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10	6	2	0:13
11	8	0	0:13
12	8	0	0:11
13	0	0	0:00
14	7	1	0:08
15	6	2	0:12
16	0	0	0:00
17	7	1	0:09
18	4	4	0:10
19	6	2	0:19
2	5	3	0:20
20	8	0	0:14
21	5	3	0:10
22	8	0	0:17
23	0	0	0:00
24	7	1	0:13
25	1	7	0:16
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31	5	3	0:17
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34	8	0	0:10
4	8	0	0:10
5	0	0	0:00
6	0	0	0:00
7	8	0	0:18
8	8	0	0:08
9	0	0	0:00