Upper Salmon River Watershed Vocabulary Activity

Created by: IRRC  Time Required: 1 class period
Subject: Language Arts/Science  Grade Level: 3+ (adaptable)

Overview
Students will take a vocabulary pretest, watch a video clip about a specific area of rangeland in Idaho, take notes on a KWL worksheet, play a vocabulary game, then take a vocabulary posttest.

Goal(s) & Objective(s)
Students will use context to identify the meanings of unfamiliar words.

Prerequisites & Materials
Materials:
- Classroom computers (per student or in partners)
- copies of pretest/posttest
- copies of KWL worksheet (or students may copy onto their own paper from a projector or teacher example)
- copies of vocabulary puzzle (optional)

Teaching Activities:
Introduction:

Procedures:
1. Hand out the KWL (what you know, want to know, and learned) worksheet to students or have students copy the table into their notebook from an overhead or computer projection. Give an example of how a KWL chart works (i.e. grass (a word they know) Riparian (a word they want to know) they will fill out the “learned” column at the end of this lesson.

2. Present vocabulary words to students; tell them they will use these words to fill out the KWL chart. You may have to watch the movie more than once.

3. Have students listen to the video clip from “Life on the Range” for the KWL vocabulary. Fill out the chart with students with the words that
they learned/heard from the movie clip.

4. If desired, have students check their definitions with classroom dictionaries or online (students will be able to see correct definitions in the practice activities)

Have students complete one or both of the following:

1. Hand out the Crossword Puzzle that corresponds with the vocabulary in the KWL chart & movie clip.

2. Have students go to the website below to play the concentration game, use the flashcards, or play the matching game:


5. **(Grades 6 +)** Have students complete movie worksheet

**Assessment:**

1. Check student understanding by taking/correcting the vocabulary posttest. Have students compare with their pretest.

**Attachments:**

Crossword Puzzle & Key
Vocabulary Pretest & Test with Key
Video Questions

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**Upper Salmon River Vocabulary Puzzle**

Name ____________________________
Across
1. A species in danger of becoming extinct
7. Something that increases by addition of more parts to a system
9. Food, water, shelter, and space an animal needs to survive
12. Responsible management and use of something trusted to one's care

Down
2. Water beneath the earth's surface which can be used for wells (two words)
3. A type of fish that return to the creek or river where they hatched to spawn
4. The amount of a product such as hay or grain
5. Less populated areas in the countryside
6. Located on the bank of a stream, river, or lake
8. Capable of living or working successfully
10. A smaller river or stream that flows into a larger river, stream, or lake
11. Replenishing or "filling up" of groundwater when water sinks through soil and rock
12. To deposit large quantities of eggs
13. Bodies of water visible on the earth such as lakes, rivers, streams, and oceans (two words)
Crossword Puzzle KEY

Across
1. Endangered
7. Cumulative
9. Habitat
12. Stewardship

Down
2. Ground water
3. Salmon
4. Yield
5. Rural
6. Riparian
8. Viable
10. Tributary
11. Recharge
12. Spawn
13. Surface water
Upper Salmon River Vocabulary KWL
Name__________________________

Word List: Spawning, Endangered, Salmon, Stewardship, Yield, Riparian, Habitat, Tributary, Rural, Viable, Cumulative, Surface water, Ground water, Recharge

<table>
<thead>
<tr>
<th>K</th>
<th>W</th>
<th>L</th>
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</thead>
<tbody>
<tr>
<td>Which words are you pretty sure you KNOW the definitions for? Write them here, with a definition of what you think they mean.</td>
<td>Which words do you WANT (need) to know? Leave some space after each word so you will have space to line it up with its definition in the last column.</td>
<td>Which words did you LEARN the meaning of by watching the video and reading the article? Write the meaning of the word here.</td>
</tr>
</tbody>
</table>
Upper Salmon Basin
Vocabulary Pretest

Write the letter for the correct definition in the space next to each word.

1. Spawn _______  a.  the amount of a product such as hay or grain
2. Endangered _______  b.  located on the bank of a stream, river, or lake
3. Salmon _______  c.  replenishing or "filling up" of groundwater when water sinks through soil and rock
4. Stewardship _______  d.  bodies of water visible on the earth such as lakes, rivers, streams, and oceans
5. Yield _______  e.  to deposit large quantities of eggs
6. Riparian _______  f.  a species in danger of becoming extinct
7. Habitat _______  g.  capable of living or working successfully
8. Tributary _______  h.  water beneath the earth's surface which can be used for wells
9. Rural _______  i.  a smaller river or stream that flows into a larger river, stream, or lake
10. Viable _______  j.  food, water, shelter, and space an animal needs to survive
11. Cumulative _______  k.  something that increases by addition of more parts to a system
12. Surface water _____  l.  responsible management and use of something trusted to one's care
13. Groundwater ____________  m.  less populated areas in the countryside
14. Recharge _______  n.  a type of fish that returns to the creek or river where they hatched to spawn

Name __________________________
Write the letter for the correct definition in the space next to each word.

1. Spawn _______ E _______ a. the amount of a product such as hay or grain
2. Endangered _______ F _______ b. located on the bank of a stream, river, or lake
3. Salmon _______ N _______ c. replenishing or "filling up" of groundwater when water sinks through soil and rock
4. Stewardship _______ L _______ d. bodies of water visible on the earth such as lakes, rivers, streams, and oceans
5. Yield _______ A _______ e. to deposit large quantities of eggs
6. Riparian _______ B _______ f. a species in danger of becoming extinct
7. Habitat _______ J _______ g. capable of living or working successfully
8. Tributary _______ I _______ h. water beneath the earth's surface which can be used for wells
9. Rural _______ M _______ i. a smaller river or stream that flows into a larger river, stream, or lake
10. Viable _______ G _______ j. food, water, shelter, and space an animal needs to survive
11. Cumulative _______ K _______ k. something that increases by addition of more parts to a system
12. Surface water _______ D _______ l. responsible management and use of something trusted to one's care
13. Groundwater _______ H _______ m. less populated areas in the countryside
14. Recharge _______ C _______ n. a type of fish that returns to the creek or river where they hatched to spawn
Upper Salmon Basin
Vocabulary Test

Name______________________________

Write the letter for the correct definition in the space next to each word.

1. Salmon_________ a. the amount of a product such as hay or grain
2. Riparian_________ b. water beneath the earth's surface which can be used for wells
3. Spawn_________ c. a type of fish that returns to the creek or river where they hatched to spawn
4. Stewardship_________ d. bodies of water visible on the earth such as lakes, rivers, streams, and oceans
5. Rural_________ e. to deposit large quantities of eggs
6. Endangered_________ f. less populated areas in the countryside
7. Viable_________ g. something that increases by addition of more parts to a system
8. Recharge_______ h. located on the bank of a stream, river, or lake
9. Yield_________ i. a smaller river or stream that flows into a larger river, stream, or lake
10. Habitat_________ j. food, water, shelter, and space an animal needs to survive
11. Cumulative______ k. capable of living or working successfully
12. Groundwater_______ l. responsible management and use of something trusted to one's care
13. Surface water___________ m. a species in danger of becoming extinct
14. Tributary_________ n. replenishing or "filling up" of groundwater when water sinks through soil and rock
Write the letter for the correct definition in the space next to each word.

1. Salmon  c  a. the amount of a product such as hay or grain
2. Riparian  h  b. water beneath the earth's surface which can be used for wells
3. Spawn  e  c. a type of fish that returns to the creek or river where they hatched to spawn
4. Stewardship  l  d. bodies of water visible on the earth such as lakes, rivers, streams, and oceans
5. Rural  f  e. to deposit large quantities of eggs
6. Endangered  m  f. less populated areas in the countryside
7. Viable  k  g. something that increases by addition of more parts to a system
8. Recharge  n  h. located on the bank of a stream, river, or lake
9. Yield  a  i. a smaller river or stream that flows into a larger river, stream, or lake
10. Habitat  j  j. food, water, shelter, and space an animal needs to survive
11. Cumulative  g  k. capable of living or working successfully
12. Groundwater  b  l. responsible management and use of something trusted to one's care
13. Surface water  d  m. a species in danger of becoming extinct
14. Tributary  i  n. replenishing or "filling up" of groundwater when water sinks through soil and rock
Upper Salmon Basin Watershed Program

Comprehension Questions

Name ________________________________

1. What type of irrigation system did the Phillips switch to?

2. What type of results did they see?

3. About how many ranchers in the Upper Salmon Basin have participated in this program?

4. How long did it take for Chinook Salmon to return to spawning in Iron Creek after the project was completed?

5. Was the project easy or difficult for the Phillips?

6. How much did the project cost?

7. By converting to sprinkler irrigation, when do the Phillips have more water?

8. What other types of projects has the Upper Salmon Basin Watershed Program supported?

9. What do ranchers have most control over?
   a. Habitat improvement
   b. Hydropower Dam renovation
   c. Salmon harvest
   d. Weather patterns

After the video, answer the following questions:

10. Why would maintaining a rural community be important to Salmon Habitat?

11. Why would all ranchers not convert to sprinkler irrigation immediately, even though it produces higher yields of hay?

12. Where does the groundwater used for sprinkler irrigation wells come from? How is this water returned to the soil?