

# Water Stream Trailer



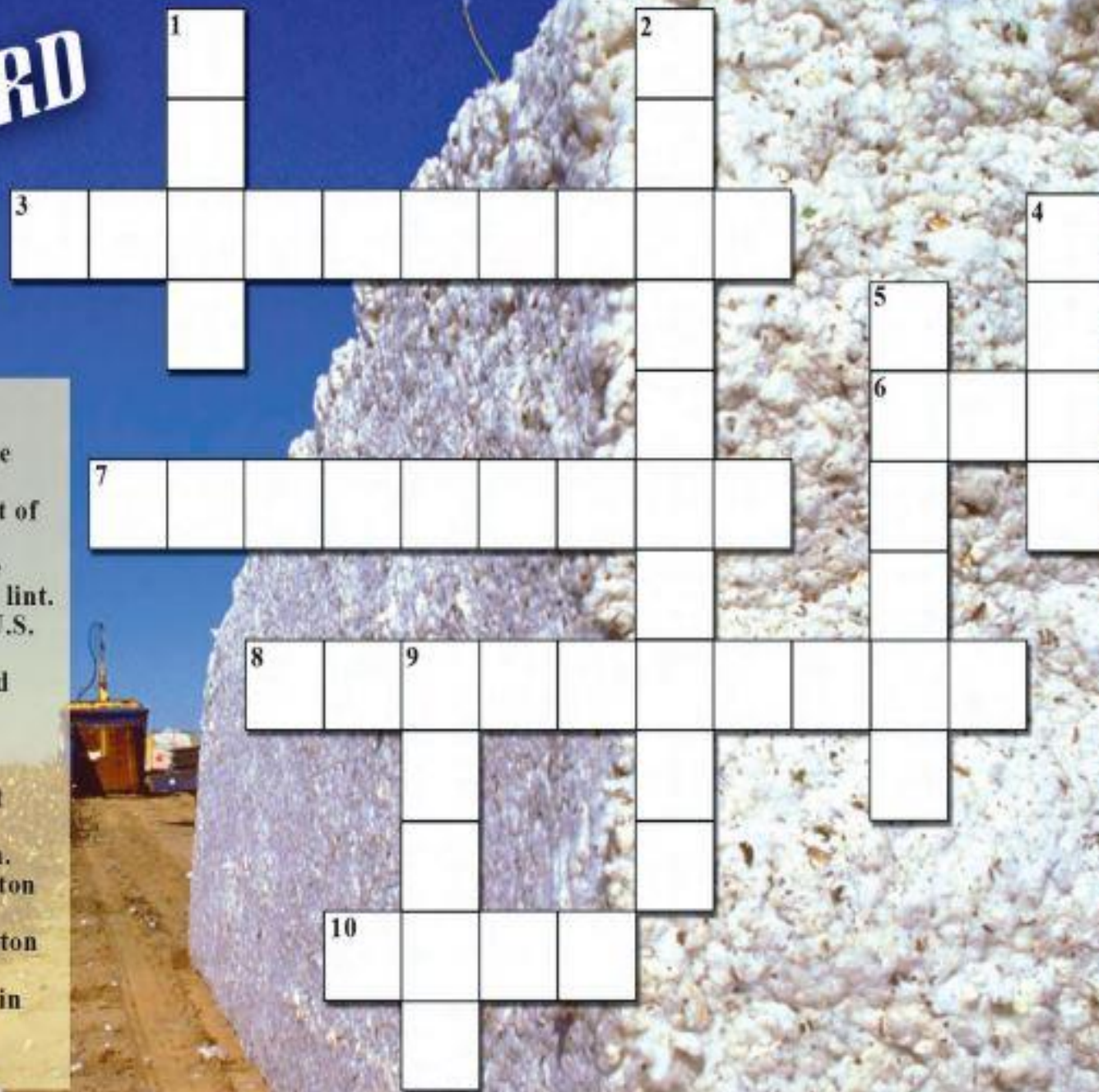
## Goals:

- =Explore Erosion: the action of surface processes (such as water flow or wind) that remove soil, rock, or dissolved material from one location on the Earth's crust, then transport it away to another location
- =Understand how channel slope and water velocity (speed) relates to erosion potential in streams and rivers. Understand why streams meander.
- = Understand the role and value of streamside (riparian) vegetation and the effects of bank erosion on fish and other aquatic life in streams and rivers.

LESSON	IN THIS VIRTUAL LESSON	YOU PROVIDE
<b>1. Water Stream Trailer – Lesson 1</b> <b>Video</b> <b>Explore Science Erosion</b> <b>Don't Treat It Like Dirt</b> <b>Soil Erosion and Degradation</b> <b>Do It Yourself Experiments</b>	What is Erosion - Video Online -2 Class activities with time totaling 60-90 minutes = You will receive the materials listed below - Fun song and video from the USDA and NRCS - Video is from the WorldWildLife.org -Landslides	Internet Connection Ice Cubes, Plastic Trash Bags, Card board box, Hair dryer
<b>2. Lesson 1 - KaHoots fun quiz</b>		Internet Connection
<b>3. Lesson 2 – Rivers Don't Run Straight</b> <b>Sand, Silt, Clay and Me</b> <b>Watch It Run</b> <b>Splish, Splash</b>  <b>Bare or Covered</b> <b>Slip Sliding Away</b>	Online Video Hands on Lesson Hands on Lesson Hands on Lesson  Hands on Lesson Hands on Lesson	Internet Connection Local soil samples Local Soil sample, Stop Watch(s) Local Soil sample, Grass Clippings, poster board, water, duct tape, "water can" Bricks, Water, Local Soil, Leaves-Grass-Twigs, Water Can, Top Soil, Brick to Prop up, Rulers
<b>4. Lesson 2 - KaHoots fun Quiz</b>		Internet Connection
<b>5. Lesson 3 – Vegetation Protects Streams</b> <b>Currents and Eddies</b> <b>Can Plants Help Slow Soil Erosion</b>	Online Video Hands on Lesson Hands On Lesson	Internet Connection Soil, rocks, sand, pebbles, Foam, water source
<b>6. KaHoot fun quiz</b>		Internet Connection

<b>CHECKED OUT TO</b>	<b>DATE</b>	<b>DATE TO BE RETURNED</b>
<p><b>What is in this kit:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Chocolate chip cookies</li> <li><input type="checkbox"/> 10 droppers</li> <li><input type="checkbox"/> Tooth Picks</li> <li><input type="checkbox"/> Plastic Plates</li> <li><input type="checkbox"/> 5 aluminum foil trays</li> <li><input type="checkbox"/> Potting soil</li> <li><input type="checkbox"/> Wheat seed</li> <li><input type="checkbox"/> Straws (1 person student)</li> <li><input type="checkbox"/> Cheese cloth</li> <li><input type="checkbox"/> Coffee Filters</li> <li><input type="checkbox"/> Beach Ball, Softball, Marble</li> <li><input type="checkbox"/> Silt, Sand, Clay</li> <li><input type="checkbox"/> Clear Test Tubes with Caps</li> <li><input type="checkbox"/> Plastic Soda bottles &amp; Quart Jars</li> <li><input type="checkbox"/> 5 Measuring Cups</li> <li><input type="checkbox"/> Rubber Bands</li> <li><input type="checkbox"/> Perforated canning jar lids and ring</li> <li><input type="checkbox"/> 2 paint roller pans</li> <li><input type="checkbox"/> Cookie sheets</li> </ul>	<p><b>What needs to be returned with this kit:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Droppers</li> <li><input type="checkbox"/> Cheese Cloth</li> <li><input type="checkbox"/> Beach Ball, Softball, Marble</li> <li><input type="checkbox"/> Plastic Soda bottles &amp; Quart Jars</li> <li><input type="checkbox"/> Clear Test Tubes with Caps</li> <li><input type="checkbox"/> Perforated canning jar lids and ring</li> <li><input type="checkbox"/> Measuring Cups</li> <li><input type="checkbox"/> Rubber Bands</li> <li><input type="checkbox"/> Paint Roller Pans</li> </ul>	

# COTTON CROSSWORD



## ACROSS

- 3 Insect that is enemy to the cotton plant.
- 6 Most valuable by-product of the cottonseed.
- 7 Machine used to separate the seeds from the cotton lint.
- 8 Name of the area in the U.S. where cotton is grown.
- 10 480 pounds of compressed cotton fiber.

## DOWN

- 1 The part of the plant that holds the cotton fiber.
- 2 Inventor of the cotton gin.
- 4 Outer covering of the cotton seed.
- 5 Storage for harvested cotton before going to the gin.
- 9 This state is number one in the production of cotton.

# Cotton Patch Scramble

1.



sohe tssgrin

2.



tetooahatsp

What is that? Unscramble the letters below each photo to spell out the name of these cotton by-products you use every day.

3.



hrdate

4.



okignoc loi

5.



koltevics fede

6.



ldroal blli

7.



cilaleowpss

8.



toopat cihp

## **Cotton's Journey Virtual Tour was compiled by Carrie Sharp, Texas AgriLife Extension Service, Kaufman County, 4-H and Youth Development; 2020**

### **Sources of information have included:**

Cotton Now and Then, Author Karen B Willing & Julie B Dock, Illustrated by Sarah Morse, Read by Arizona Farm Bureau Ag in the Classroom.

Texas Farm Bureau Ag in the Classroom Vimeo Ag in the Classroom video library,

- What is Agriculture, From Seed to Harvest, History of Cotton, Cotton Gin at Work, What do We do with the Raw Cotton, What do we do with the cotton seed.

- Cotton Connection, Texas Farm Bureau Ag in the Classroom

Arizona Farm Bureau Ag in the Classroom YouTube video, Field to Fabric

Cotton Pickin' Science Skills, Louisiana Farm Bureau Ag in the Classroom

Cotton Scavenger Hunt, Cotton University Virtual campus

Cotton: From Field to Fabric, Cotton Counts, TN

Cotton Coloring Book, Cotton Board