



# HISTORY & GEOGRAPHY 307 COAL MINING AND PENNSYLVANIA

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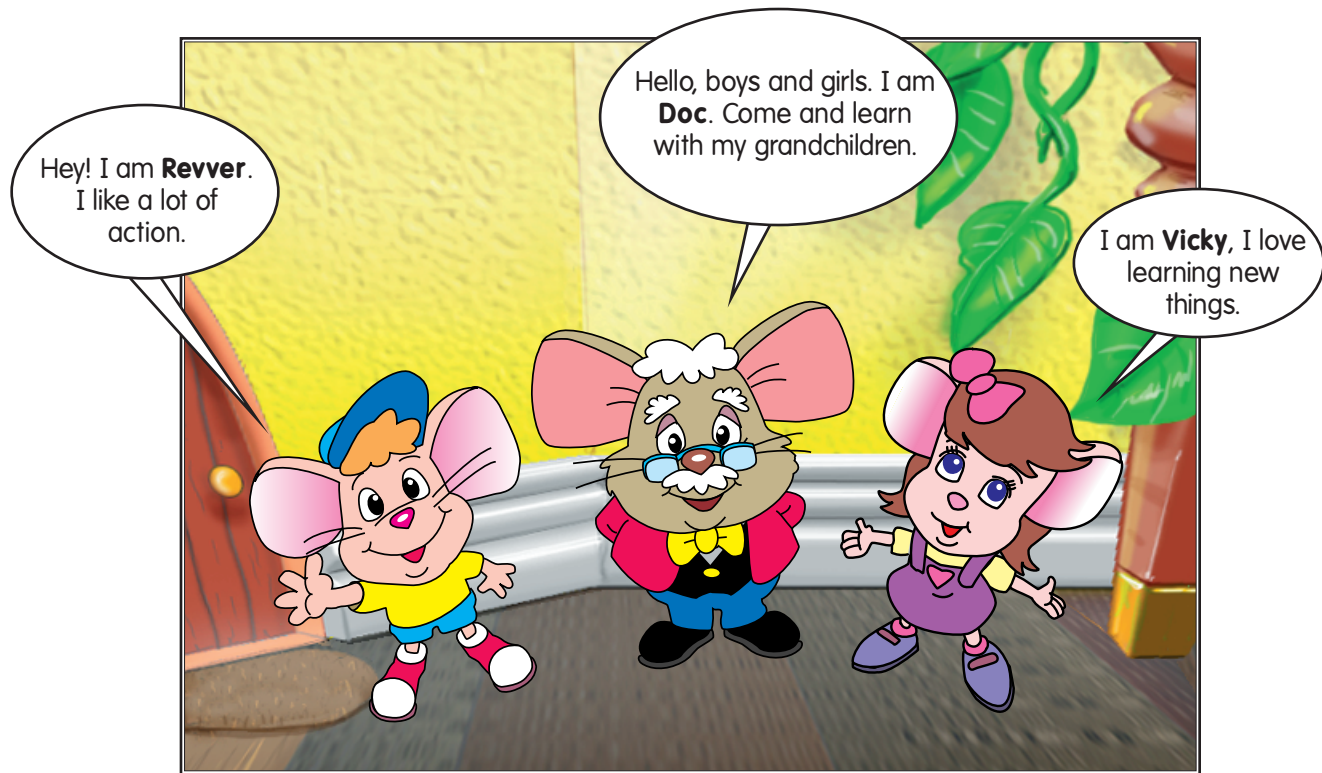
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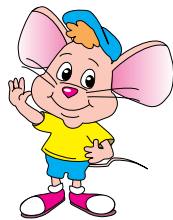
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## Learn with our friends:



When you see me, I will help your teacher explain the exciting things you are expected to do.



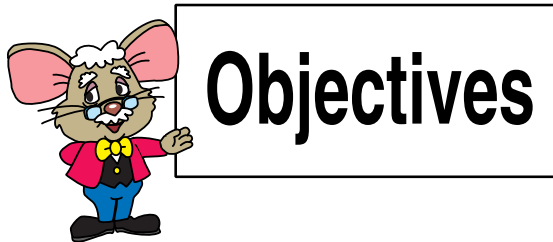
When you do actions with me, you will learn how to write, draw, match words, read, and much more.



You and I will learn about matching words, listening, drawing, and other fun things in your lessons.

# COAL MINING AND PENNSYLVANIA

In this LIFEPAC® you will learn about coal mining in Pennsylvania. First, you will study about how coal was formed long ago and why coal is important today. Next, you will read about early coal mining and mining today. You will share a boy's exciting adventure in a mining community in Pennsylvania. Then you will learn about Pennsylvania, the state where coal mining is an important way of making a living.



**Read these objectives.** They will tell you what you will be able to do when you have finished this LIFEPAC.

1. You will be able to explain how coal was formed.
2. You will be able to name two kinds of coal.
3. You will be able to describe the early ways of mining.
4. You will be able to name three ways mining has changed over the years.
5. You will be able to tell why coal is important to people.
6. You will be able to write five facts about Pennsylvania.



**anthracite coal** (an' thru sīt kōl). Hard coal.

**bifocal** (bī'fō kul). Glasses worn by people who need two different ways to see.

**bituminous coal** (bu tü' mu nus kōl). Soft coal.

**by-product** (bī' prod' ukt). Something made from leftover products.

**charcoal** (chär' kōl). Partly burned wood.

**concrete** (kon krēt). Broken stone mixed with sand, water, and cement.

**energy** (en' ur jē). Power; the strength to do something.

**explosion** (ek splō' zhun). Blowing up with a loud noise.

**explosive** (ek splō' siv). Something that causes an explosion.

**factory** (fak' tur ē). A place where things are made.

**fertilizer** (fēr' tu lī zur). Product that enriches the soil.

**fuel** (fyü ul). Anything that burns.

**hoist** (hoist). To lift up.

**mining** (mī' ning). Digging out minerals from the ground.

**oxygen** (ok' su jun). The gas which people breathe in order to live.

**peat** (pēt). A softer, early form of coal.

**product** (prod' ukt). Something that is made from something else; the result of work.

**prop** (prop). A support to hold up something.

**rescue** (res' kyü). Save from danger.

**seam** (sēm). A layer of coal.

**shaft mining** (shaft mī' ning). Mining done under the ground.

**steel** (stēl). A mixture of carbon and iron that is very hard and strong.

**strip mining** (strip mī' ning). Mining done on the surface of the ground.

**surface** (sēr' fis). The top of something.

**swamp** (swomp). Wet, muddy land.

**tar** (tär). A thick, dark-colored, oily material.

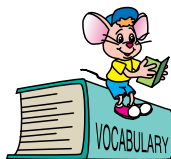
**tipple** (tip' ul). The building where the coal is loaded onto railroad cars or trucks.

These words will appear in **boldface** (darker print) the first time they are used.

**Pronunciation Key:** hat, āge, cāre, fār; let, ēqual, tērm; it, īce; hot, ōpen, ōrder; oil; out; cup, pūt, rüle; child; long; thin; /TH/ for then; /zh/ for measure; /u/ represents /a/ in about, /e/ in taken, /o/ in lemon, and /u/ in circus.

## I. FACTS ABOUT COAL

**Coal** is a **fuel** that burns slowly and provides warmth for people and **energy** for running machines. Coal has been used for hundreds of years. A large supply of coal lies under the ground in the United States.



**anthracite coal** (an' thru sīt kōl) Hard coal.

**bituminous coal** (bu tü' mu nus kōl) Soft coal.

<b>by-product</b>	(bī' prod' ukt)	Something made from leftover products.
<b>charcoal</b>	(chär' kōl)	Partly burned wood.
<b>energy</b>	(en' ur jē)	Power; the strength to do something.
<b>factory</b>	(fak' tur ē)	A place where things are made.
<b>fertilizer</b>	(fēr' tu lī zur)	Product that enriches the soil.
<b>fuel</b>	(fyü' ul)	Anything that burns.
<b>peat</b>	(pēt)	A softer, early form of coal.
<b>product</b>	(prod' ukt)	Something that is made from something else; the result of work.
<b>swamp</b>	(swomp)	Wet, muddy land.
<b>tar</b>	(tär)	A thick, dark-colored, oily material.



Ask your teacher to say these words with you.  
Teacher check \_\_\_\_\_

Initial

Date