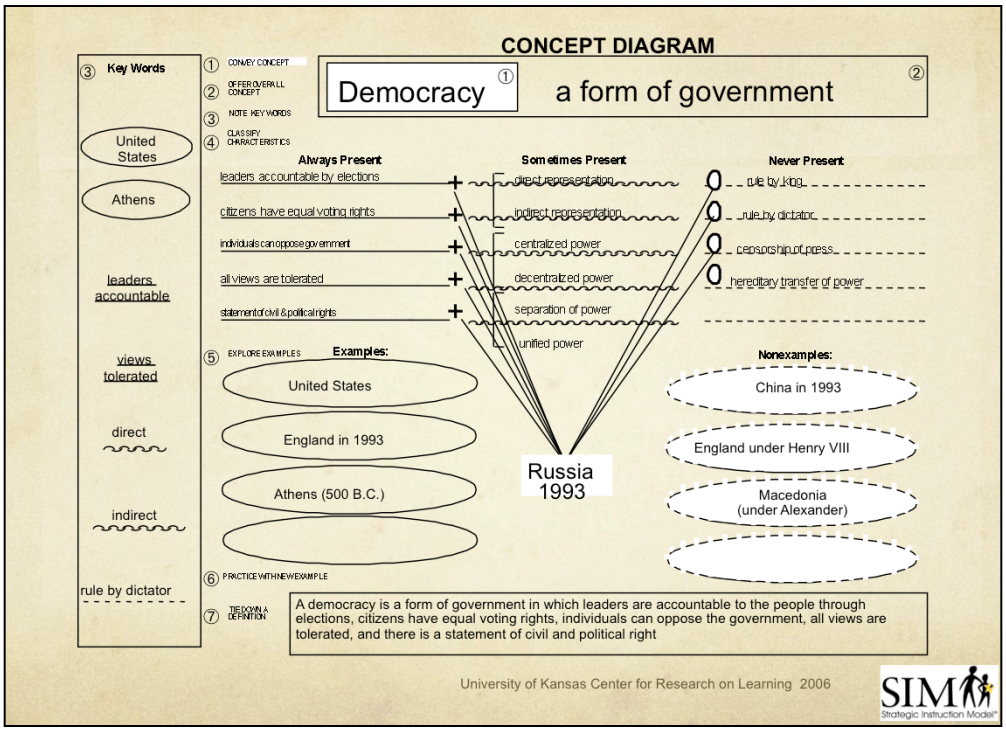
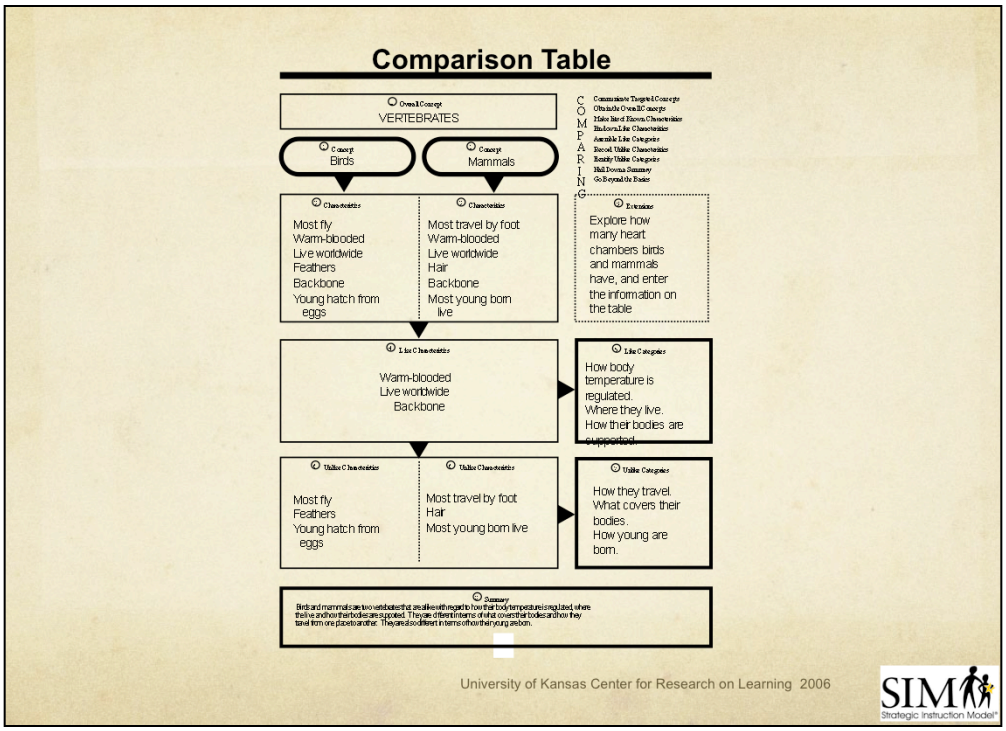
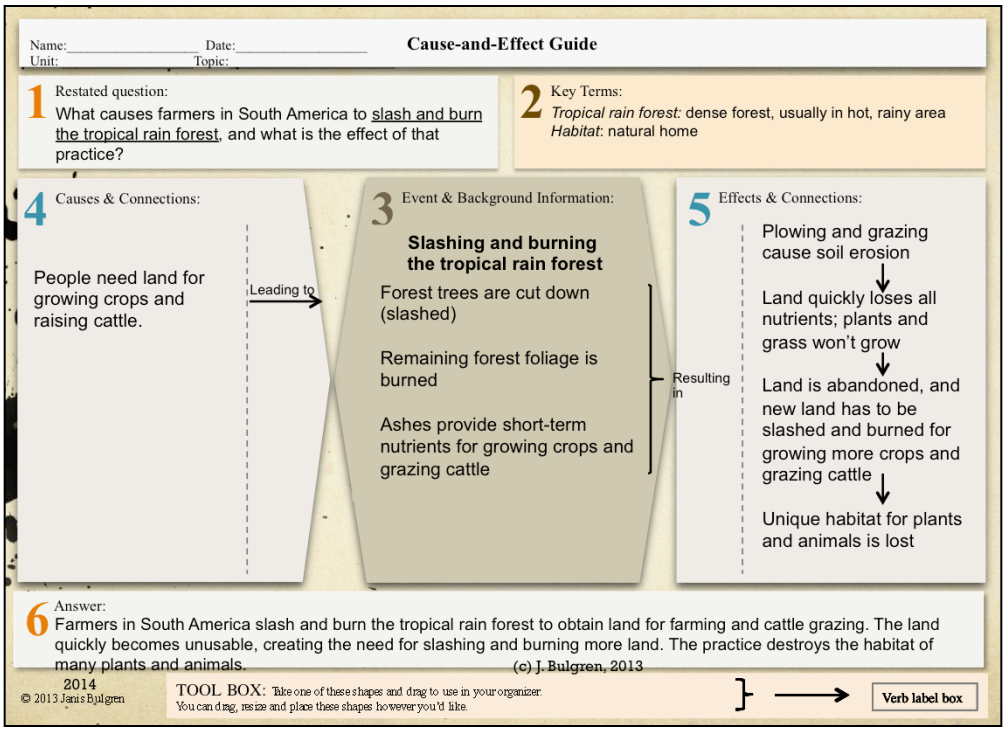

CONCEPT DIAGRAM
Key Words
United States
Athens
leaders accountable
views tolerated
direct
indirect
rule by dictator
1 CONVEY CONCEPT
2 OFFER OVERALL CONCEPT
3 NOTE KEY WORDS
4 CLASSIFY CHARACTERISTICS
Democracy
a form of government
Always Present
leaders accountable by elections
citizens have equal voting rights
individuals can oppose government
all views are tolerated
statement of civil & political rights
Sometimes Present
direct representation
indirect representation
centralized power
decentralized power
separation of power
unified power
Never Present
rule by king
rule by dictator
censorship of press
hereditary transfer of power
5 EXPLORE EXAMPLES
Examples:
United States
England in 1993
Athens (500 B.C.)
Russia 1993
Nonexamples:
China in 1993
England under Henry VIII
Macedonia (under Alexander)
6 PRACTICE WITH NEW EXAMPLE
7 TIE DOWN A DEFINITION
A democracy is a form of government in which leaders are accountable to the people through elections, citizens have equal voting rights, individuals can oppose the government, all views are tolerated, and there is a statement of civil and political right
University of Kansas Center for Research on Learning 2006
SIM
Strategic Instruction Model


Comparison Table
Overall Concept
VERTEBRATES
Concept
Birds
Concept
Mammals
Characteristics
Most fly
Warm-blooded
Live worldwide
Feathers
Backbone
Young hatch from eggs
Characteristics
Most travel by foot
Warm-blooded
Live worldwide
Hair
Backbone
Most young born live
COMPARING
Communicate Targeted Concepts
Obtain the Overall Concepts
Make Sized Known Characteristics
Endown Like Characteristics
Assemble Like Categories
Record Unlike Characteristics
Identify Unlike Categories
Hail Downs Summary
Go Beyond the Basics
Extensions
Explore how many heart chambers birds and mammals have, and enter the information on the table
Like Characteristics
Warm-blooded
Live worldwide
Backbone
Like Categories
How body temperature is regulated.
Where they live.
How their bodies are supported.
Unlike Characteristics
Most fly
Feathers
Young hatch from eggs
Unlike Characteristics
Most travel by foot
Hair
Most young born live
Unlike Categories
How they travel.
What covers their bodies.
How young are born.
Summary
Birds and mammals are two vertebrates that are alike with regard to how their body temperature is regulated, where they live and how their bodies are supported. They are different in terms of what covers their bodies and how they travel from one place to another. They are also different in terms of how their young are born.
University of Kansas Center for Research on Learning 2006
SIM
Strategic Instruction Model


Name:_____ Date:_____
Unit:_____ Topic:_____
Cause-and-Effect Guide
1 Restated question:
What causes farmers in South America to slash and burn the tropical rain forest, and what is the effect of that practice?
2 Key Terms:
Tropical rain forest: dense forest, usually in hot, rainy area
Habitat: natural home
4 Causes & Connections:
People need land for growing crops and raising cattle.
Leading to
3 Event & Background Information:
Slashing and burning the tropical rain forest
Forest trees are cut down (slashed)
Remaining forest foliage is burned
Ashes provide short-term nutrients for growing crops and grazing cattle
Resulting in
5 Effects & Connections:
Plowing and grazing cause soil erosion
Land quickly loses all nutrients; plants and grass won't grow
Land is abandoned, and new land has to be slashed and burned for growing more crops and grazing cattle
Unique habitat for plants and animals is lost
6 Answer:
Farmers in South America slash and burn the tropical rain forest to obtain land for farming and cattle grazing. The land quickly becomes unusable, creating the need for slashing and burning more land. The practice destroys the habitat of many plants and animals.
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TOOL BOX: Take one of these shapes and drag to use in your organizer.
You can drag, resize and place these shapes however you'd like.
Verb label box

Figure 1: Argumentation & Evaluation Guide

Topic: _____ Name: _____
Title: _____ Class: _____
Source: _____ Date: _____

1 What is the **Claim**, including any **Qualifiers**? Are there qualifiers? **Yes/No**. (If yes, underline them.)

Drinking more than 3 colas a day may weaken bones in women.

2 What **Evidence** is presented? In column 3, identify the type of evidence with the letter: **D**ata (D), **F**act (F), **O**pinion (O), **T**heory (T). →	**3**	**5** What chain of **reasoning (warrant)** connects the evidence to the claim? In column 6, identify type of reasoning with the letter(s): for **A**UTHORITY (A), **T**HEORY (T), or type of LOGIC: **A**nalogy (AN), **C**orrelation (C), **C**ause-**E**ffect (CE), **G**eneralization (G)	**6**
For women or girls who drank 3 or more colas a day:			
Harvard study with 2,400 high school girls found less bone in those who drank over 3 sodas a day.	D	Studies conducted by reputable institutions found that drinking 3 or more sodas a day caused women to have less bone density than those who didn't.	A CE
Another study of 2,500 women found the same.	D		
Tufts Univ. study found 5% less density for women.	D	This cause-and-effect relationship is supported by the theory that phosphoric acid weakens bones.	T
Phosphoric acid in colas interferes with ability to use calcium to build bones.	T		

4 **Evaluate** the quality of the evidence as poor, average or good. **Explain** your evaluation.		**7** **Evaluate** the quality of the chain of reasoning as poor, average or good. **Explain** your evaluation.	
Reliable	Good – there were different studies.	Strength of Authority	Good – reputable Institutions
Valid	Good – they studied women and drew conclusions	Application of Theory	Good – accepted theory
Objective (no bias)	Good – reputable institutions	Type of Logic	Good – cause and effect logic
Methodology	Good – many subjects		

8 What are your concerns about the believability of the claim? (your counterarguments, rebuttals or new questions)?

The claim seems believable, but I would like more studies with men.

9 Accept, reject, or withhold judgment about the claim. **Explain** your decision.

I accept the claim because good studies by reputable institutions found a cause-and-effect relationship between drinking soda and bone loss in women.

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Figure 1: Sample Argumentation and Evaluation Guide

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