

LEAP CONNECT

Practice Test Reference Materials

Science
Grade 8

Reference Materials include required graphics that are to be presented to the student during administration of the LEAP Connect science practice test. Refer to the *Directions for Practice Test Administration (DPTA)* for detailed instructions.

Session 1

Items 1–4 Answer Options

Diagram 1 of steps to make ice cream (Item 5)

Item 5 Answer Options

Diagram 2, “Stages of Pig Embryo Development” (Item 6)

Items 6–7 Answer Options

Incomplete Chart 1, “Evidence of Relationships” and 4 pictures of fish development stages (Item 8)

Item 9 Answer Options

Scatterplot 1, “Rainfall and Plant Growth” (Item 10)

Item 10 Answer Options

Model 1, “Rock Cycle Model of Igneous Rock” (Item 11)

Items 11–12 Answer Options

Resource Map 1, “Areas of Oil Production in the United States” (Item 13)

Item 13 Answer Options

Diagram 3, “Rock Layers” (Item 14)

Item 14 Answer Options

Diagram 4 of a food chain (Item 15)

Items 15–17 Answer Options

Session 2

Item 18 Answer Options

Diagram 5 of the making of synthetic gelatin (Item 19)

Item 19 Answer Options

Graph 1, “Pasture Available for Grazing” (Item 20)

Items 20–25 Answer Options

Diagram 6, “Early Developmental Stages of Different Species” (Item 26)

Items 26–27 Answer Options

Resource Map 2, “U.S. Distribution of Sandstone Aquifers” (Item 28)

Item 28 Answer Options

Diagram 7, “Earth’s History” (Item 29)

Item 29 Answer Options

Diagram 7, “Earth’s History,” the incomplete chart, “Rock Layers,” and the three pictures of fossils (Item 30)

Session 1

Session 1 - Item 1 Answer Options

A. because it is found in nature

B. because it can be recycled for new uses

C. because it is made using a chemical reaction

Session 1 - Item 2 Answer Options

A. physical

B. chemical

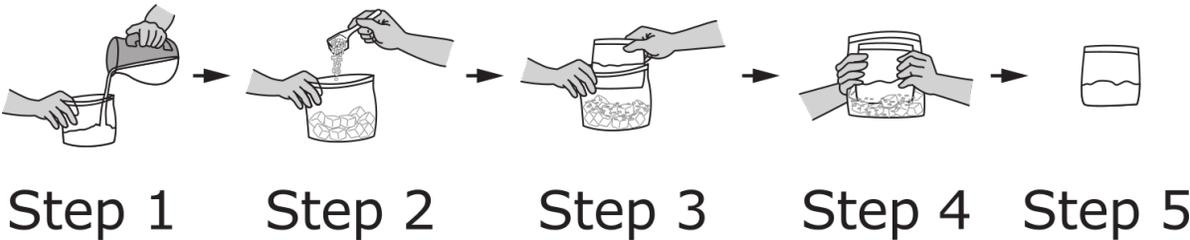
Session 1 - Item 4 Answer Options

A. Cooler A

B. Cooler B

C. Cooler C

Diagram 1 of steps to make ice cream (Item 5)



Session 1 - Item 5 Answer Options

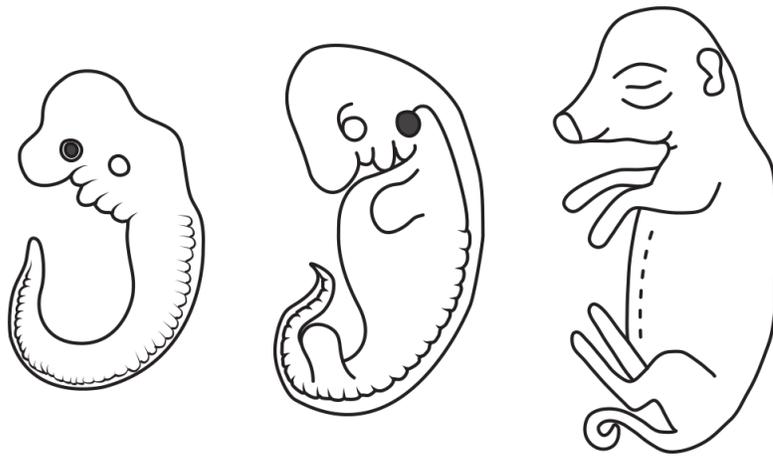
A. plastic bag

B. ingredients

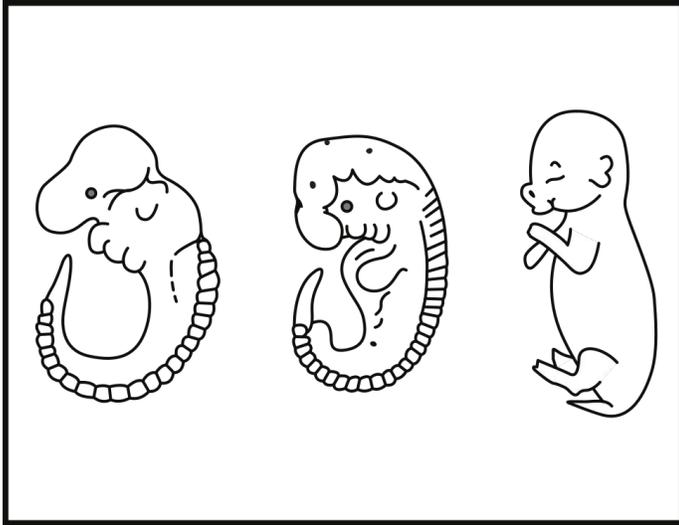
C. rock salt and ice

Diagram 2, "Stages of Pig Embryo Development" (Item 6)

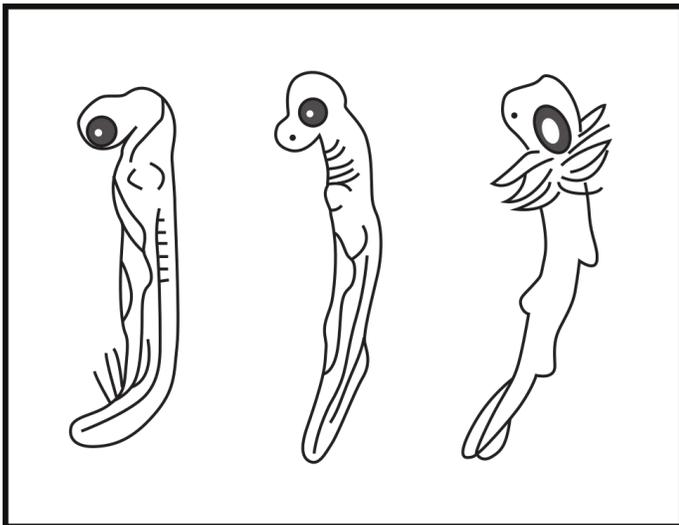
Stages of Pig Embryo Development



Session 1 - Item 6 Answer Options

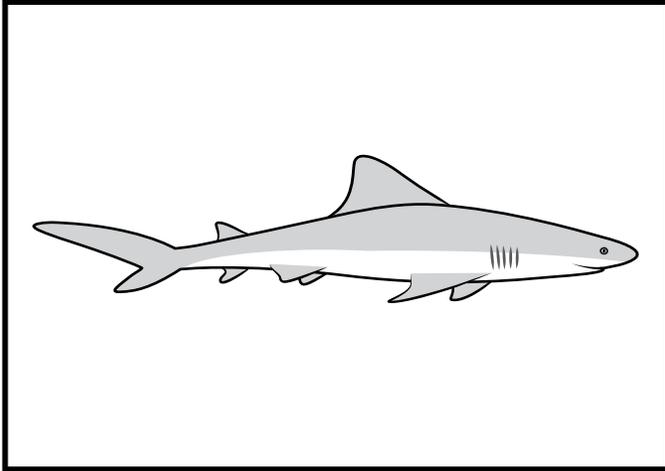


A.

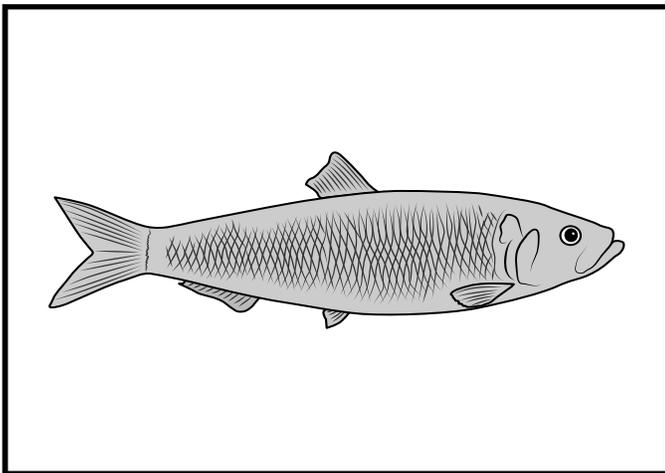


B.

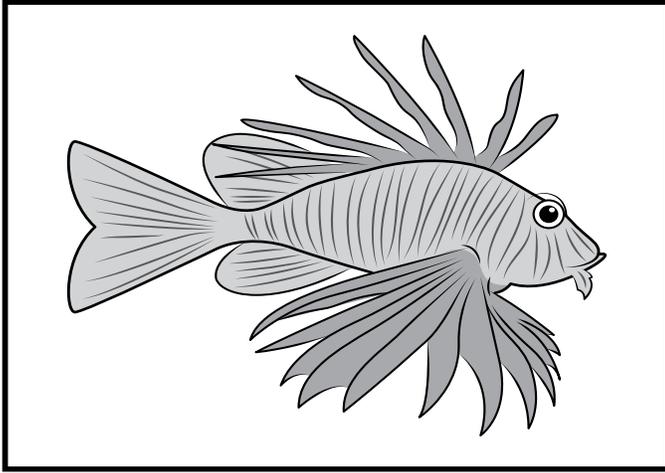
Session 1 - Item 7 Answer Options



A. shark



B. herring

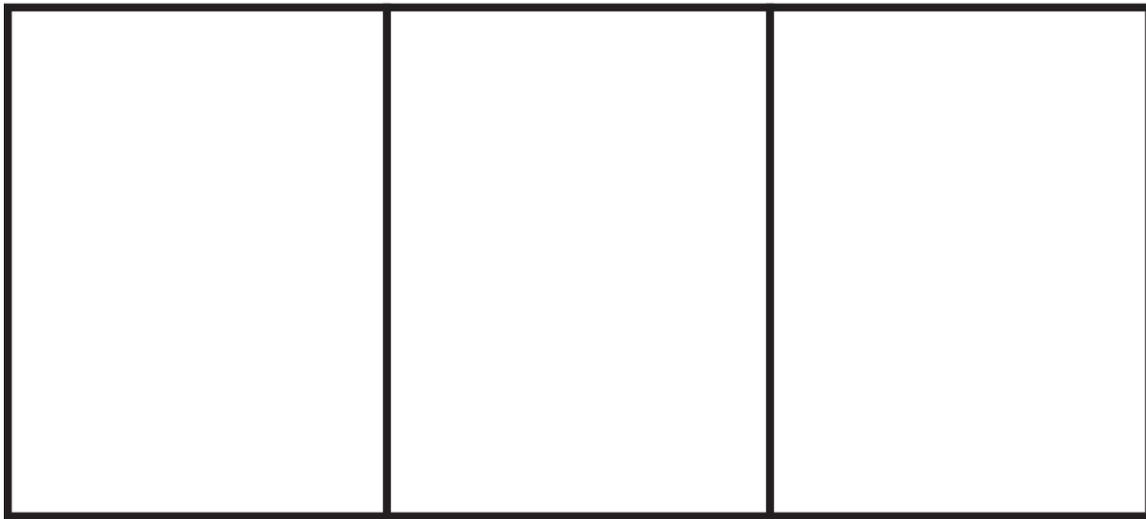


C. lionfish

Incomplete Chart 1, “Evidence of Relationships” and 4 pictures of fish development stages (Item 8)

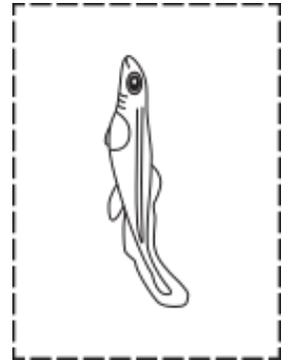
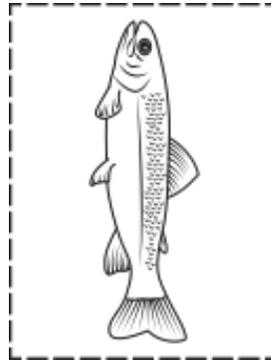
Provide student with Incomplete Chart 1, “Evidence of Relationships” and 4 pictures of fish development stages. The following will need to be reproduced and cut out for student use.

Evidence of Relationships



Earliest

Latest



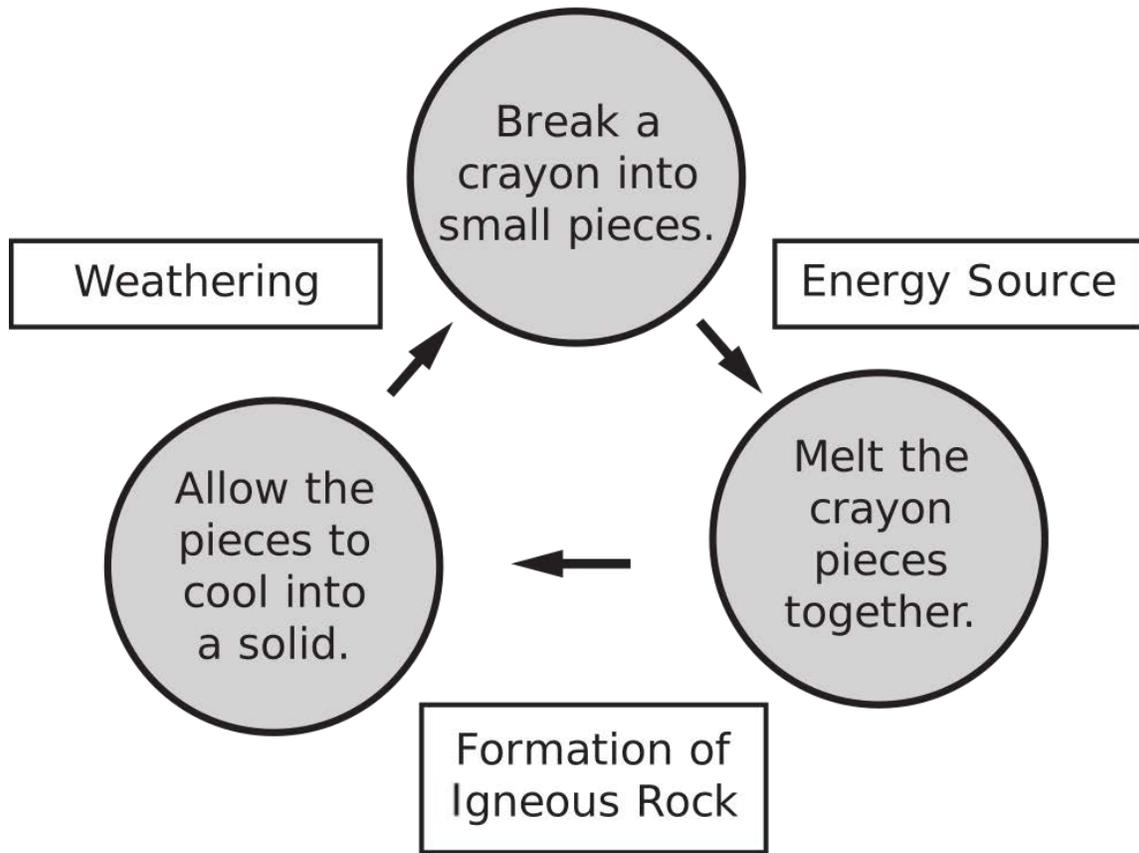
Session 1 - Item 9 Answer Options

A. **All** the offspring look like the parents' seeds.

B. **None** of the offspring look like the parents' seeds.

C. **Some** of the offspring look like the parents' seeds.

Rock Cycle Model of Igneous Rock

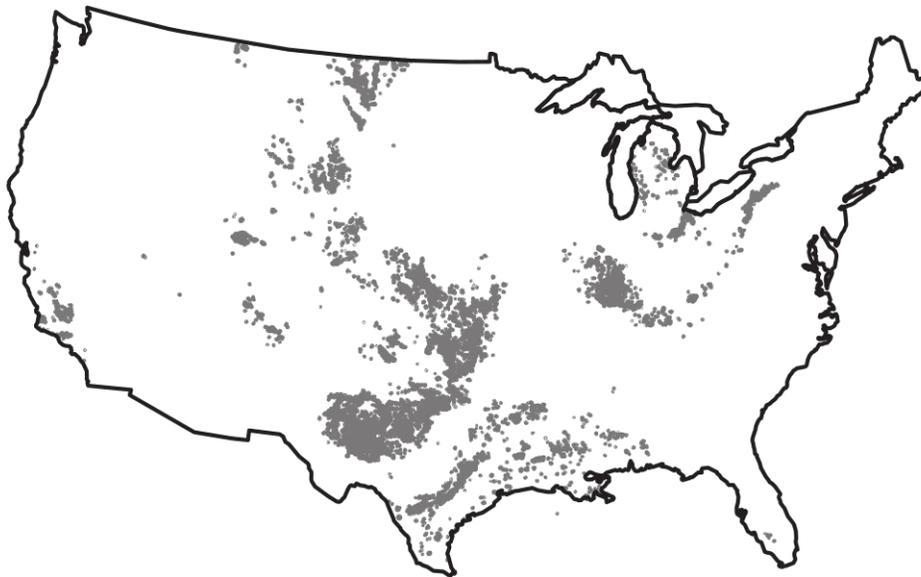


Session 1 - Item 12 Answer Options

A. trees

B. coal

Areas of Oil Production in the United States



Session 1 - Item 13 Answer Options

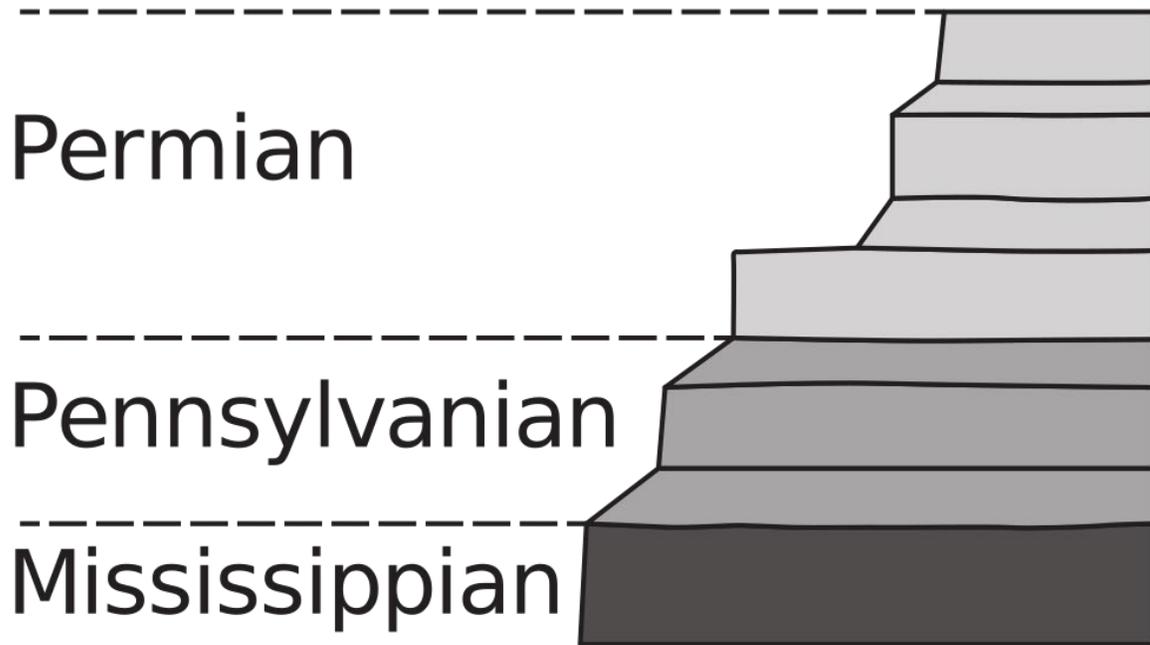
A. an **even** distribution of oil in the United States

B. an **uneven** distribution of oil in the United States

C. **no** distribution of oil in the United States

Diagram 3, "Rock Layers" (Item 14)

Rock Layers



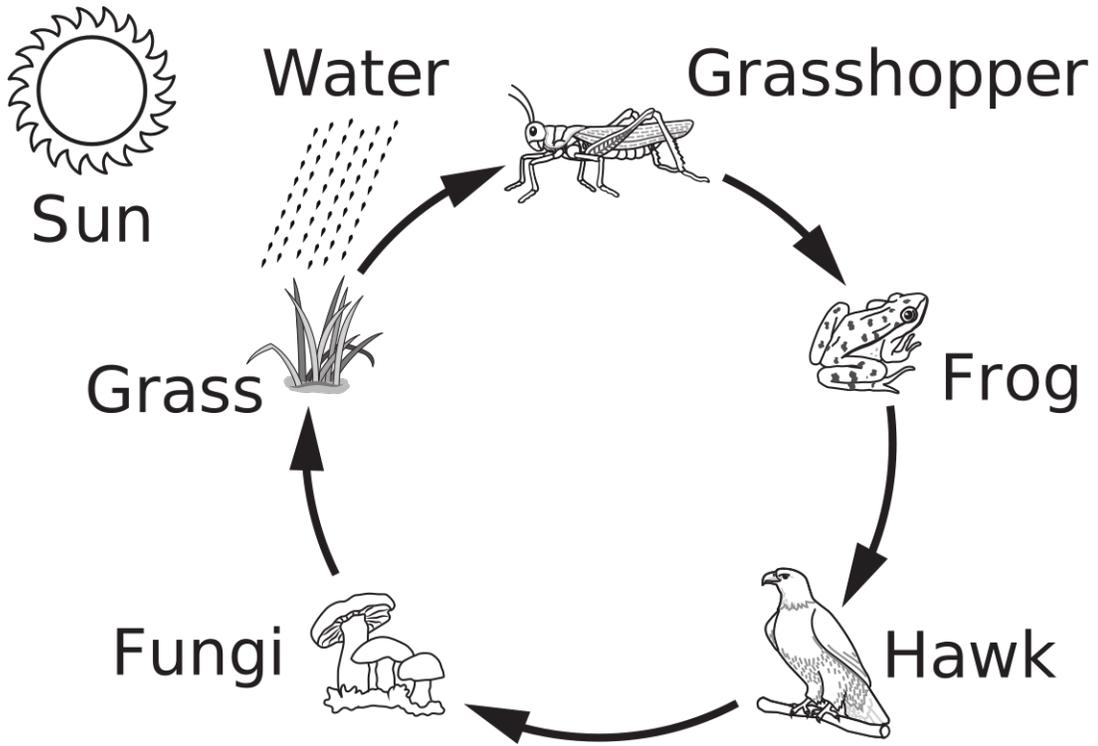
Session 1 - Item 14 Answer Options

A. Permian Period

B. Pennsylvanian Period

C. Mississippian Period

Diagram 4 of a food chain (Item 15)



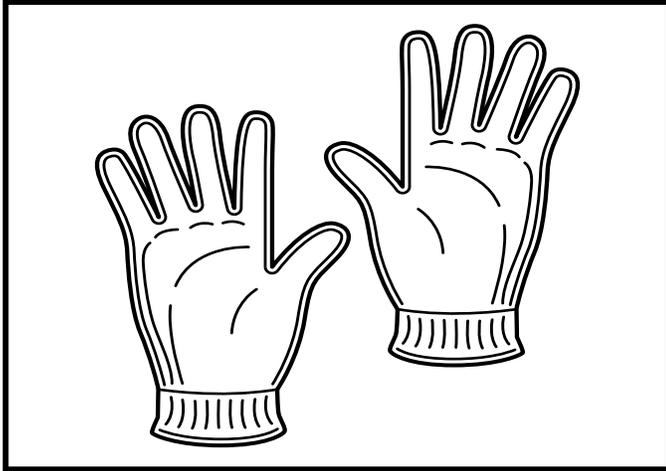
Session 1 - Item 15 Answer Options

A. energy only

B. matter only

C. energy and matter

Session 1 - Item 16 Answer Options



A. a pair of gloves



B. a necklace

Session 1 - Item 17 Answer Options

A. Heat is destroyed.

B. Heat is absorbed.

C. Heat is released.

Session 2

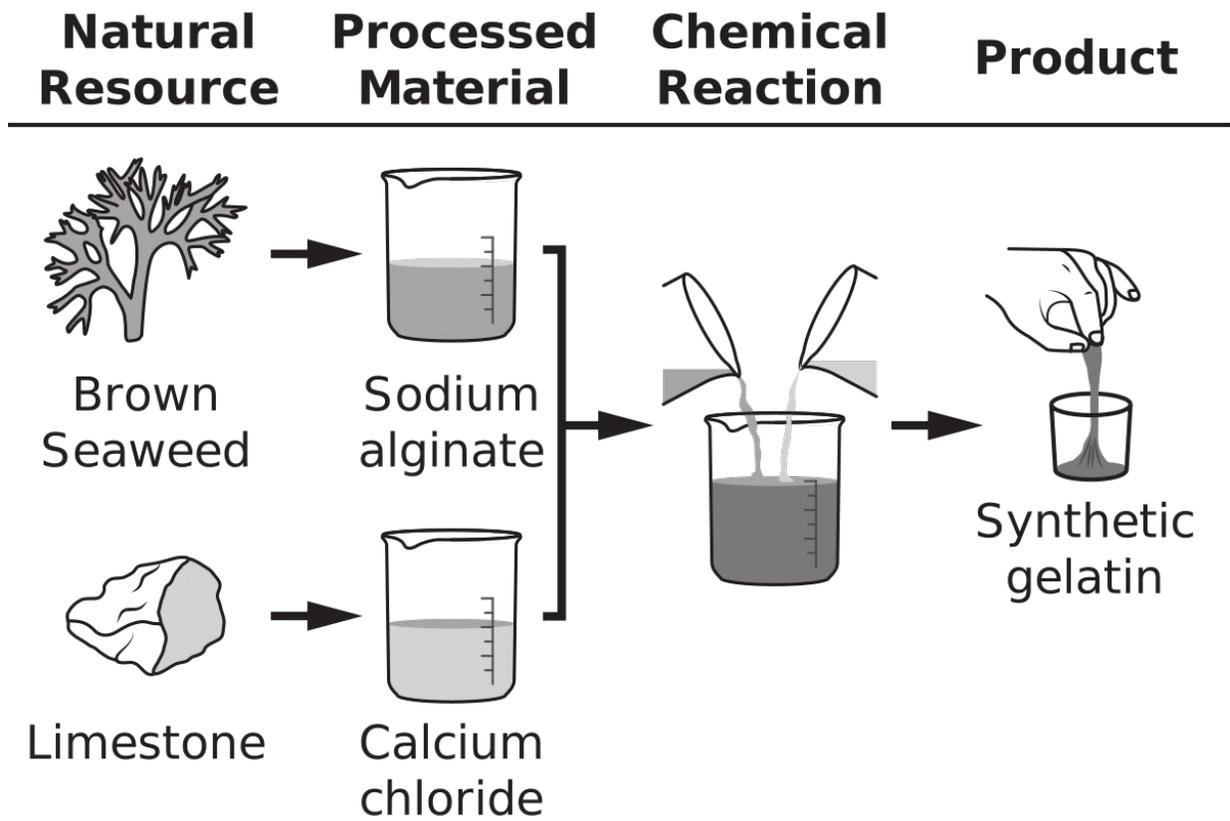
Session 2 - Item 18 Answer Options

A. Heat flows from cold to hot.

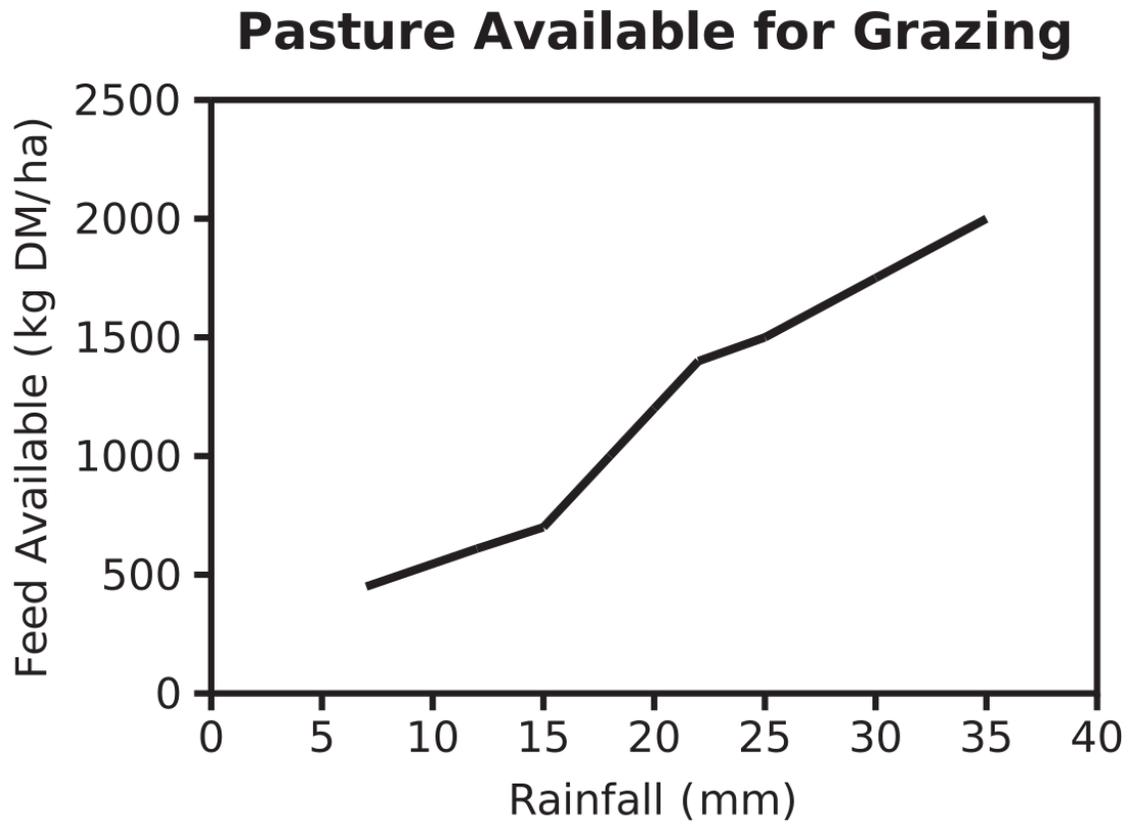
B. Heat flows from hot to cold.

C. Heat flows from both cold to hot and hot to cold.

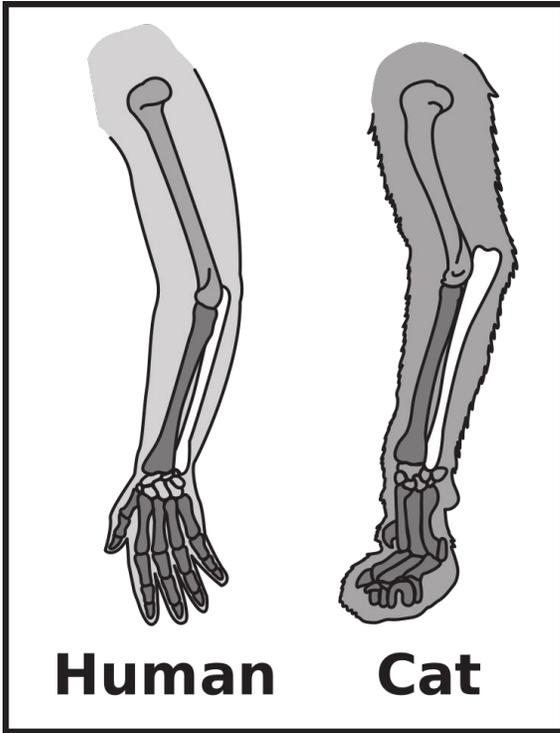
Diagram 5 of the making of synthetic gelatin (Item 19)



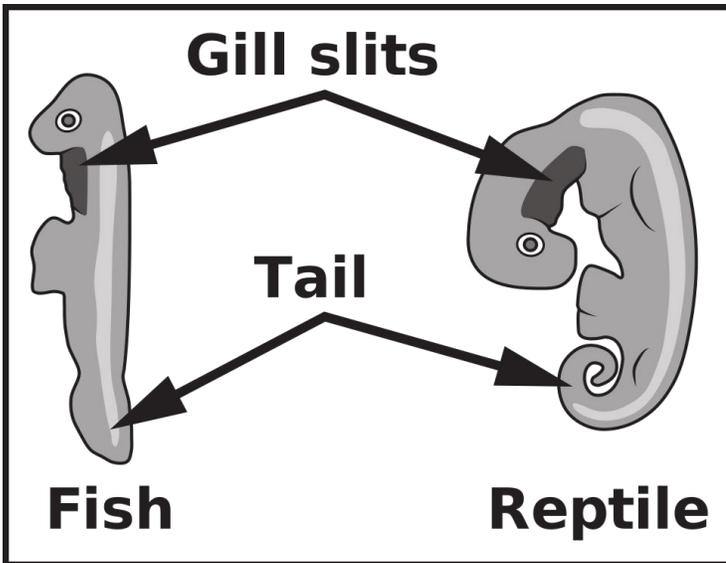
Graph 1, "Pasture Available for Grazing" (Item 20)



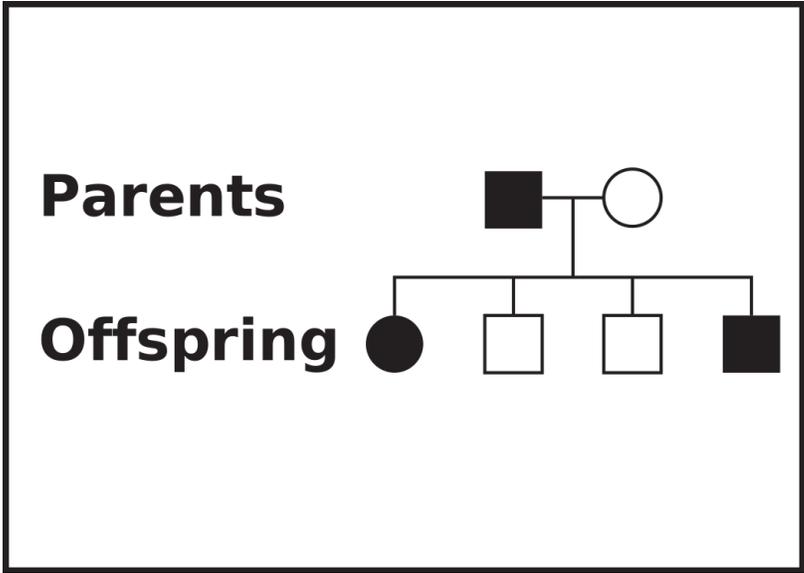
Session 2 - Item 21 Answer Options



A.



B.



C.

Session 2 - Item 22 Answer Options

A. lion

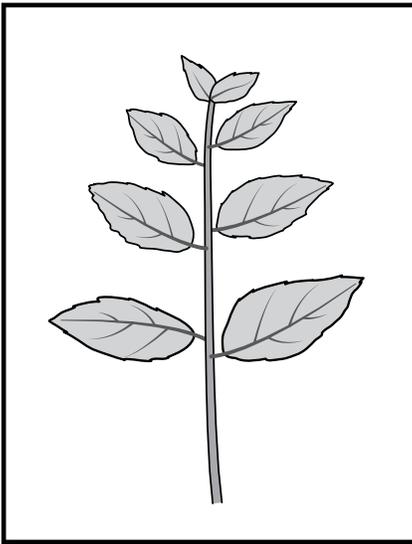
B. horse

C. elephant

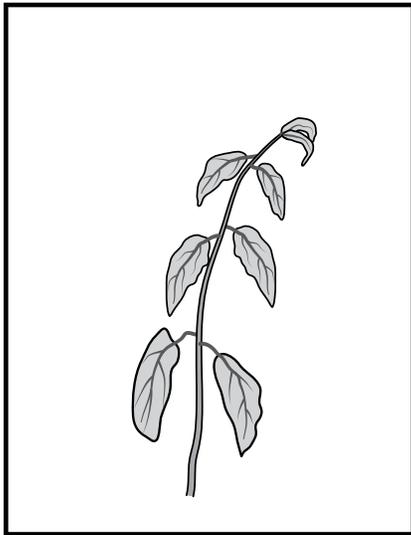
Session 2 - Item 24 Answer Options

- A. **Some** of the calves' faces look like each of the parents' faces.
- B. **None** of the calves' faces look like either of the parents' faces.
- C. **All** the calves' faces look the same.

Session 2 - Item 25 Answer Options



A. It will grow.



B. It will die.

Diagram 6, "Early Developmental Stages of Different Species" (Item 26)

Early Developmental Stages of Different Species

Mammal	
Bird	
Reptile	
Amphibian	
Fish	

Session 2 - Item 26 Answer Options

A. All species start life on Earth.

B. All species start life as an animal.

C. All species start life with gill slits and a tail.

Session 2 - Item 27 Answer Options

A. weathering

B. volcanic activity

C. erosion

U.S. Distribution of Sandstone Aquifers



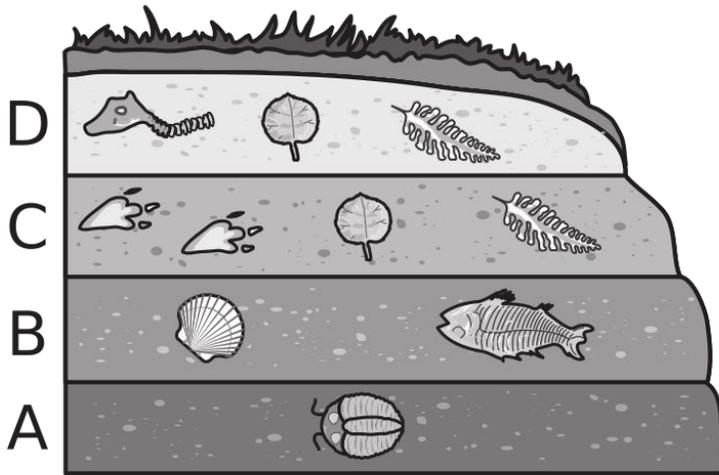
Session 2 - Item 28 Answer Options

A. They are located in **some** parts of the United States.

B. They are located in **only one** part of the United States.

Diagram 7, "Earth's History" (Item 29)

Earth's History



Key	
	Mammal
	Dinosaur
	Plant
	Bird
	Shell
	Fish
	Trilobite

Session 2 - Item 29 Answer Options

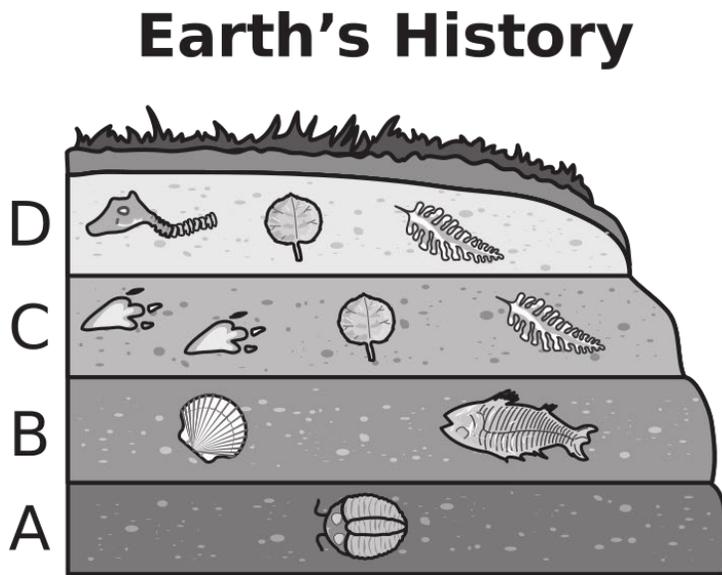
A. Layer D

B. Layer C

C. Layer A

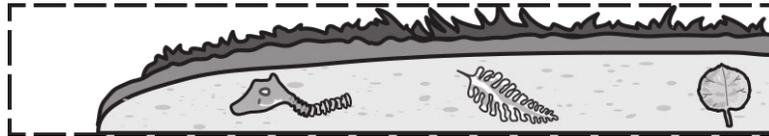
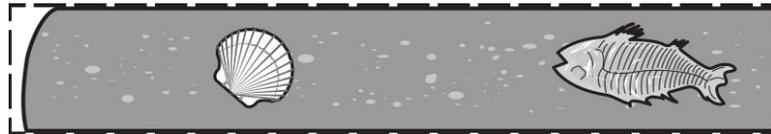
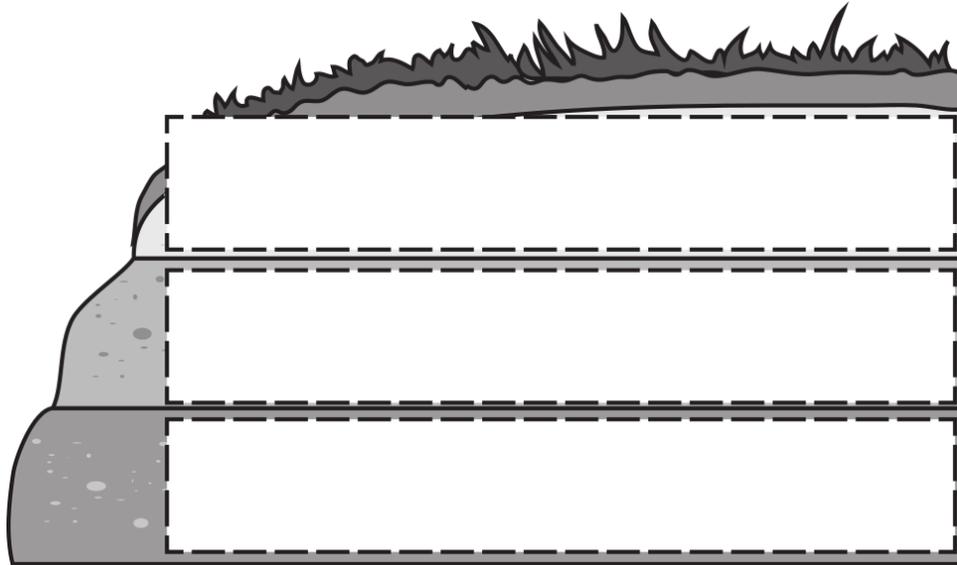
Diagram 7, “Earth’s History,” the incomplete chart, “Rock Layers,” and the three pictures of fossils (Item 30)

Provide student with Diagram 7, “Earth’s History,” the incomplete chart, “Rock Layers,” and the three pictures of fossils. The following will need to be reproduced and cut out for student use.



Key	
	Mammal
	Dinosaur
	Plant
	Bird
	Shell
	Fish
	Trilobite

Rock Layers



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