

Use the vocabulary words to complete the following activities. Be prepared to explain your thinking to your group.

Put the steps for making a sedimentary rock in the correct order

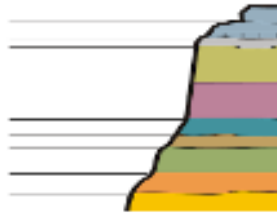
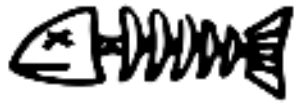
1.
2.
3.
4.

These are the things that happen to a rock...

breaks it

takes it

and when erosion stops, drops



Deposition

Weathering

Compaction/Cementation

Erosion

Remains are changed into either coal, oil, or natural gas

Heat and pressure are applied to the remains

Organism gets energy from the sun

Organism dies

Organism gets buried

Millions of years pass

Takes millions of years to create

Forms in layers

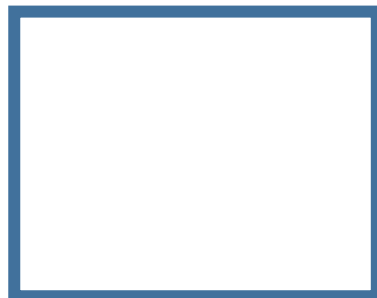
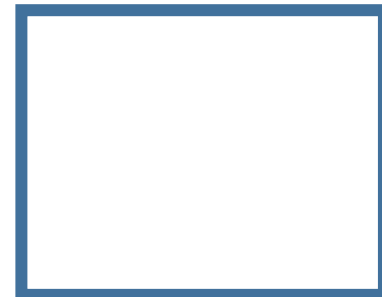
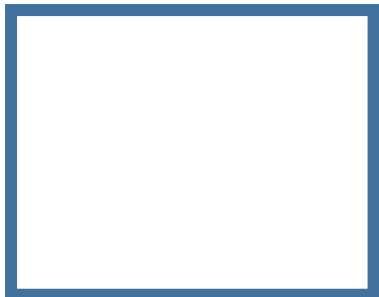
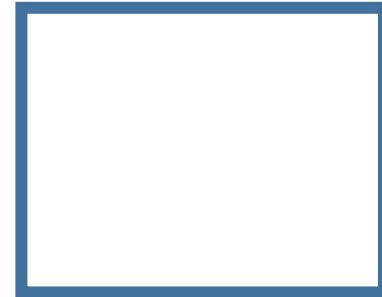
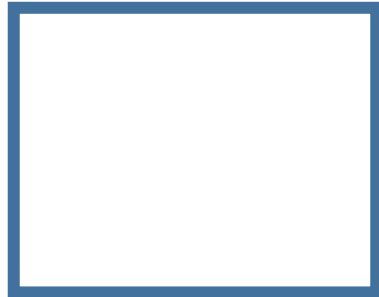
Weathering, Erosion, and Deposition are involved

Includes the process of adding pressure

Started as a living organism

Is used to create electricity.

Use the steps with the ✨ symbol on them. Place them in the correct order for making a fossil fuel.



Sort the text with the ✦ symbol into the following groups.

Fossil Fuels

Sedimentary Rocks

Both

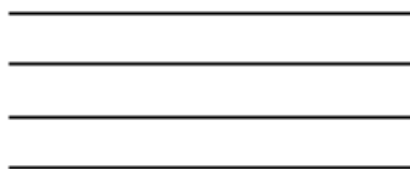
ORGANISM GETS ENERGY FROM THE SUN



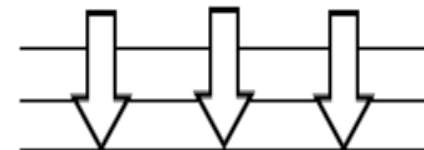
ORGANISM DIES



ORGANISM GETS BURIED IN SEDIMENT



HEAT AND PRESSURE ARE APPLIED TO THE REMAINS OF THE ORGANISM



MILLIONS OF YEARS PASS



FOSSIL FUELS ARE FORMED (COAL, OIL, NATURAL GAS)



HUMANS EXTRACT FOSSIL FUELS



HUMANS BURN FOSSIL FUELS TO GET ENERGY



COAL

OIL

NATURAL

GAS

COAL

OIL

NATURAL

GAS

COAL

OIL

NATURAL

GAS

COAL

OIL

NATURAL

GAS

COAL

OIL

NATURAL

GAS

COAL

OIL

NATURAL

GAS

COAL

OIL

NATURAL

GAS

COAL

OIL

NATURAL

GAS

Weathering



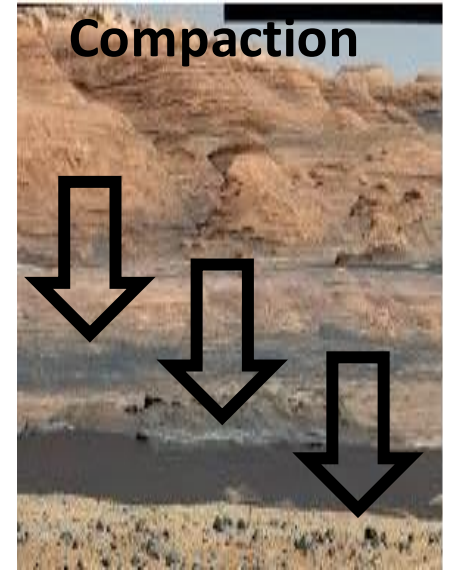
Erosion



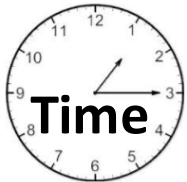
Deposition



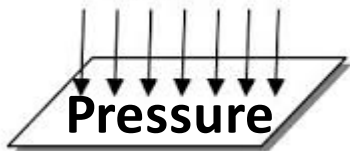
Compaction



Heat



Time



Pressure

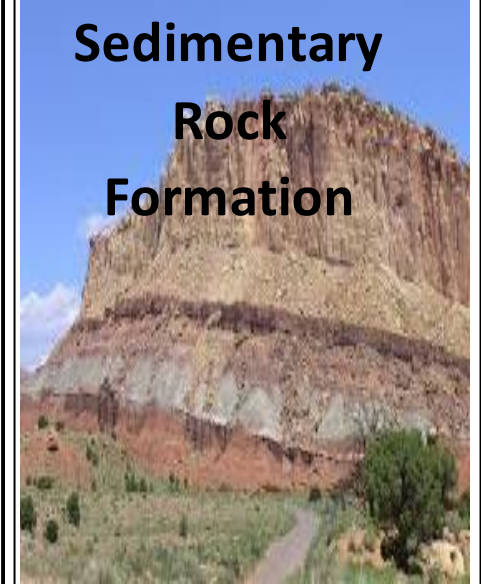
**Millions of
Years**



Cementation



**Sedimentary
Rock
Formation**



Sedimentary
Rock
Cycle



Sedimentary
Rock
Cycle



Sedimentary
Rock
Cycle



Sedimentary
Rock
Cycle



Sedimentary
Rock
Cycle



Sedimentary
Rock
Cycle



Sedimentary
Rock
Cycle



Sedimentary
Rock
Cycle



Angry Agents of Erosion

WIND

WATER



ICE



Angry Agents of Erosion

WIND

WATER



ICE



Angry Agents of Erosion

WIND

WATER



ICE



Angry Agents of Erosion

WIND

WATER



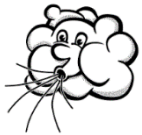
ICE



Angry Agents of Erosion

WIND

WATER



ICE



Angry Agents of Erosion

WIND

WATER



ICE



Angry Agents of Erosion

WIND

WATER



ICE



Angry Agents of Erosion

WIND

WATER



ICE



Sedimentary
Rock
Cycle



Sedimentary
Rock
Cycle



Sedimentary
Rock
Cycle



Sedimentary
Rock
Cycle



Sedimentary
Rock
Cycle



Sedimentary
Rock
Cycle



Sedimentary
Rock
Cycle



Sedimentary
Rock
Cycle



Possible Games Each deck should contain 56 cards



Angry
Dino



Angry
Dino



Angry
Dino



Angry
Dino



Angry
Dino



Angry
Dino



Angry
Dino



Angry
Dino

COAL

OIL

NATURAL

GAS

COAL

OIL

NATURAL

GAS

COAL

OIL

NATURAL

GAS

COAL

OIL

NATURAL

GAS

COAL

OIL

NATURAL

GAS

COAL

OIL

NATURAL

GAS

COAL

OIL

NATURAL

GAS

COAL

OIL

NATURAL

GAS

Game 1 Sequence Master

1. Pass out all the cards.
2. Decide who will go first based on the first letter of your last name. Z's go first and A's go last.
3. Player 1 will attempt to lay the first card in the cycle.
4. If player 1 cannot lay a card then Player 2 will attempt to lay a card.
5. Continue to lay the cards in the correct order for the cycle.
6. You can have up to five players. The first person to get rid of all of their cards wins.

Remember to use the Student Helper Cards if you need them.

Game 2 Memory Mixer

1. Mix up the cards in the deck.
2. Turn the cards over face down.
3. Flip over one card, and then flip over another card. If the cards match, pick them up.
4. Your objective is not just to get matches. Your objective is to build as many complete cycles as you can.
5. The person who gets the most complete sets wins. A complete set is a full cycle.

Remember to use the Student Helper Cards if you need them.


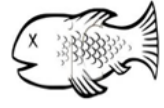







Game 3 Go Fossil

1. Choose a dealer
2. The dealer shuffles the cards and deals five cards to each person.
3. Place the rest of the cards face down in the center of the playing area.
4. Turn the top card face up and place it next to the deck. This is the card pile.
5. The player on the dealer's left starts the game.
6. Look at your cards and place down any matches. It takes four of the same card to make a match.
7. You can ask any player for one card. If they have it, they must give them all to you.
8. If not they tell you to "Go Fossil". Then you will draw a card from the card pile.
9. Play continues until someone runs out of cards.
10. The person with the most 4 card sets wins.










Game 4 Angry Dino / Angry Agents of Erosion

1. There are two special cards.
2. Angry Dino goes with the Fossil Fuels and Angry Agents goes with the sedimentary rock.
3. Add one of the cards to the game depending on what deck you have.
4. The dealer shuffles the cards and deals all the cards out.
5. The player on the dealer's left starts the game.
6. Look at your cards and place down any matches.
7. After putting down any matches, the player can pull one card from any person in the game.
8. If they pull a match put the match down.
9. The next person does the same thing. You do not want to get the Angry Dino or Angry Agent of Erosion.
10. The person who gets rid of all their cards first wins. The person left with the Angry card loses.










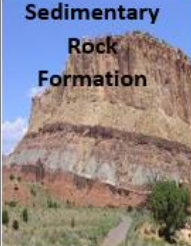
Fossil Fuels Student Helper Card

<p>ORGANISM GETS ENERGY FROM THE SUN</p> 	<p>ORGANISM DIES</p> 	<p>ORGANISM GETS BURIED IN SEDIMENT</p> <p>_____</p> <p>_____</p> 	<p>HEAT AND PRESSURE ARE APPLIED TO THE REMAINS OF THE ORGANISM</p>   <p>HEAT</p>
<p>MILLIONS OF YEARS PASS</p> 	<p>FOSSIL FUELS ARE FORMED (COAL, OIL, NATURAL GAS)</p> 	<p>HUMANS EXTRACT FOSSIL FUELS</p> 	<p>HUMANS BURN FOSSIL FUELS TO GET ENERGY</p> 


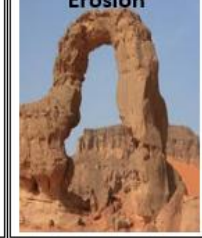




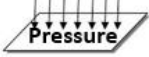


Fossil Fuels Student Helper Card

<p>ORGANISM GETS ENERGY FROM THE SUN</p> 	<p>ORGANISM DIES</p> 	<p>ORGANISM GETS BURIED IN SEDIMENT</p> <p>_____</p> <p>_____</p> 	<p>HEAT AND PRESSURE ARE APPLIED TO THE REMAINS OF THE ORGANISM</p>   <p>HEAT</p>
<p>MILLIONS OF YEARS PASS</p> 	<p>FOSSIL FUELS ARE FORMED (COAL, OIL, NATURAL GAS)</p> 	<p>HUMANS EXTRACT FOSSIL FUELS</p> 	<p>HUMANS BURN FOSSIL FUELS TO GET ENERGY</p> 

Sedimentary Rock Student Helper Card

<p>Weathering</p> 	<p>Erosion</p> 	<p>Deposition</p> 	<p>Compaction</p> 
<p>Heat</p>  <p>Time</p>  <p>Pressure</p> 	<p>Millions of Years</p> 	<p>Cementation</p> 	<p>Sedimentary Rock Formation</p> 

Sedimentary Rock Student Helper Card

<p>Weathering</p> 	<p>Erosion</p> 	<p>Deposition</p> 	<p>Compaction</p> 
<p>Heat</p>  <p>Time</p>  <p>Pressure</p> 	<p>Millions of Years</p> 	<p>Cementation</p> 	<p>Sedimentary Rock Formation</p> 