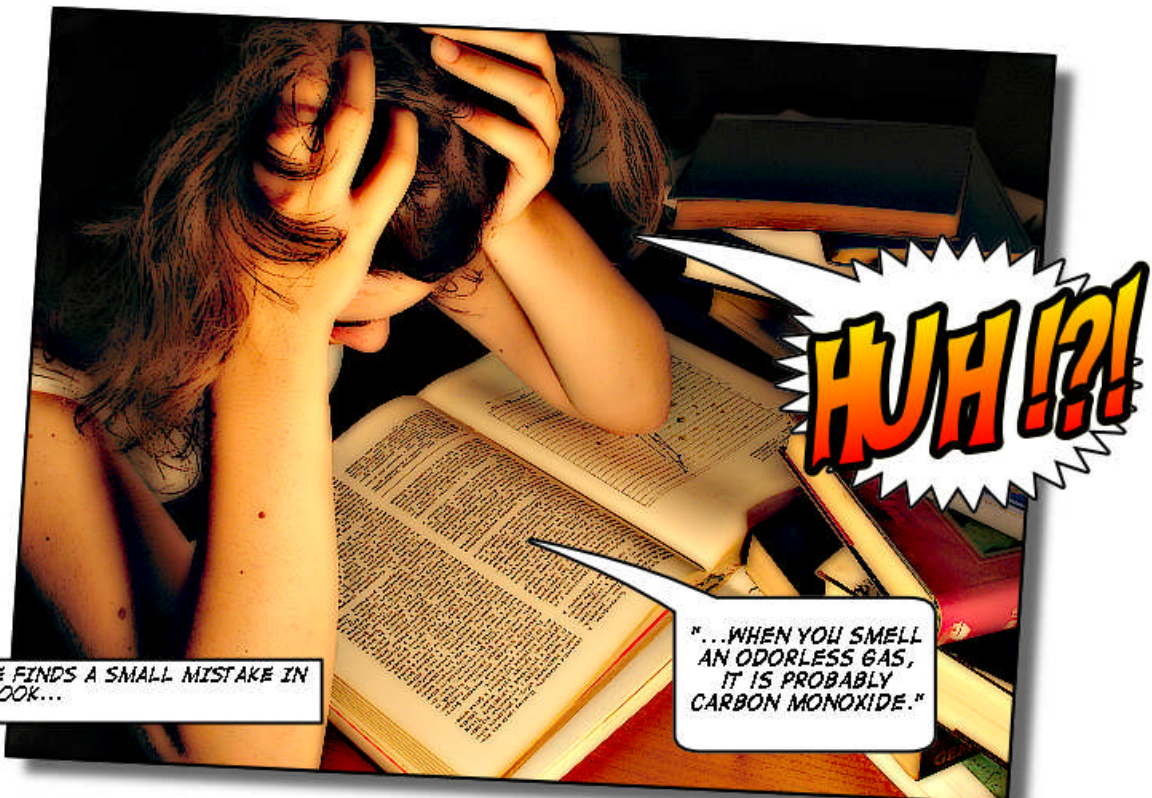


# WEEK TWO: MATERIAL AND NONMATERIAL RESOURCES

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CHARLOTTE FINDS A SMALL MISTAKE IN HER TEXTBOOK...

"...WHEN YOU SMELL AN ODORLESS GAS, IT IS PROBABLY CARBON MONOXIDE."

# **DAY ONE**

**TODAY, YOU AND YOUR CHILD WILL:**

- 1. READ THE TEXT**
  - 2. REVIEW THE TEXT WITH YOUR CHILD**
  - 3. COMPLETE THE STUDENT WORKSHEETS**
  - 4. FIND THE MATERIALS YOU WILL NEED FOR DAYS TWO AND THREE**
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**DURING YOUR REVIEW, THE FOLLOWING LIST WILL GIVE YOU THE MOST IMPORTANT PARTS OF YOUR CHILD'S READING FOR THIS WEEK.**

RESOURCES ARE THINGS THAT WE GET FROM THE LIVING AND NONLIVING ENVIRONMENT TO MEET THE NEEDS AND WANTS OF A POPULATION.

SOME RESOURCES ARE BASIC MATERIALS, SUCH AS AIR, WATER, AND SOIL; SOME ARE PRODUCED FROM BASIC RESOURCES, SUCH AS FOOD, FUEL, AND BUILDING MATERIALS; AND SOME RESOURCES ARE NONMATERIAL, SUCH AS QUIET PLACES, BEAUTY, SECURITY, AND SAFETY.

## DEFINITIONS:

<b>MATERIAL RESOURCES</b>	RESOURCES YOU CAN TOUCH LIKE GAS, WOOD AND FOOD
<b>NEED</b>	SOMETHING YOU MUST HAVE IN ORDER TO STAY ALIVE LIKE AIR, WATER AND NUTRIENTS
<b>NONMATERIAL RESOURCES</b>	RESOURCES THAT YOU CANNOT TOUCH LIKE HAPPINESS, PEACE, FEELINGS OF SAFETY
<b>NONRENEWABLE RESOURCES</b>	RESOURCES THAT CAN TAKE A LONG TIME TO BE MADE AGAIN (THOUSANDS OF YEARS!); SOMETIMES THESE RESOURCES CANNOT BE MADE AGAIN AT ALL
<b>RENEWABLE RESOURCE</b>	A RESOURCE THAT CAN BE MADE AGAIN LIKE LIVING ORGANISMS
<b>WANT</b>	ANYTHING YOU FEEL LIKE HAVING THAT IS NOT A NEED

## SAMPLE QUESTIONS TO ASK AFTER YOUR CHILD FINISHES THEIR READING FOR DAY ONE:

WHAT ARE SOME EXAMPLES OF MATERIAL AND NONMATERIAL RESOURCES?

*MATERIAL RESOURCES INCLUDE ALL THINGS THAT CAN BE PHYSICALLY TOUCHED; NONMATERIAL RESOURCES, LIKE OUR FEELINGS, CANNOT BE PHYSICALLY TOUCHED.*

WHAT IS THE DIFFERENCE BETWEEN A NEED AND A WANT?

*A NEED IS SOMETHING THAT IS NECESSARY FOR US TO SURVIVE. A WANT IS ANYTHING YOU FEEL LIKE HAVING THAT IS NOT A NEED.*

WHAT DO YOU THINK IS MORE IMPORTANT, MATERIAL OR NONMATERIAL RESOURCES?

*THEY BOTH ARE EQUALLY IMPORTANT. OUR MATERIAL RESOURCES ALLOW US TO STAY ALIVE WHILE OUR NONMATERIAL RESOURCES KEEP US HEALTHY, HAPPY AND WILLING TO KEEP SURVIVING!*

ARE ALL NONRENEWABLE RESOURCES UNABLE TO BE MADE AGAIN?

*NO. IF THE RESOURCE CANNOT BE MADE FOR A VERY LONG TIME (WE ARE TALKING THOUSANDS OF YEARS HERE!), IT IS STILL CONSIDERED A NONRENEWABLE RESOURCE.*

# **ANSWERS TO WORKSHEET QUESTIONS FOR WEEK TWO:**

## **PAGE ONE:**

### **ACROSS:**

5. MATERIAL
6. NEED

### **DOWN:**

1. RENEWABLE
2. NONMATERIAL
3. WANT
4. NONRENEWABLE

## **PAGE TWO:**

- 1 - MATERIAL RESOURCES
- 6 - NEED
- 4 - NONMATERIAL RESOURCES
- 3 - NONRENEWABLE RESOURCES
- 2 - RENEWABLE RESOURCE
- 5 - WANT

## **PAGE THREE:**

"DRAW A PICTURE OF YOUR HOME. BE CERTAIN TO INCLUDE EVERYTHING YOU NEED TO SURVIVE IN YOUR DRAWING. YOU MAY ALSO ADD MANY OF YOUR WANTS IN YOUR DRAWING TOO!"

LABEL EVERYTHING IN YOUR PICTURE AS EITHER A NEED OR A WANT."

**ANSWERS WILL VARY. THE PICTURE SHOULD  
CONTAIN BOTH NEEDS AND WANTS.**

## **DAY TWO**

**TODAY, YOU AND YOUR CHILD WILL:**

- 1. REVIEW DAY ONE USING THE FOLLOWING TEXT**
- 2. RUN THE ACTIVITY: "BE CAREFUL WHAT YOU ASK FOR..."**

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**THE FOLLOWING LIST WILL GIVE YOU THE MOST IMPORTANT ITEMS TO REVIEW FOR YOUR ACTIVITY TODAY!**

NOT ALL MATERIAL RESOURCES ARE NEEDED FOR EVERY SITUATION WE ARE IN.

OUR NEEDS MAY, AT TIMES, COMPETE WITH OUR WANTS. HOWEVER, OUR NEEDS MUST ALWAYS BE SATISFIED FIRST BEFORE OUR WANTS.

## **BE CAREFUL WHAT YOU ASK FOR...**

READ THE FOLLOWING STORY TO YOUR CHILD:

THIS SUMMER, YOU ARE GOING TO TAKE A TRIP TO AN ISLAND THAT IS VERY FAR AWAY. IT IS GOING TO TAKE YOU THREE DAYS TO REACH THIS ISLAND SINCE IT IS FAR INTO THE OCEAN. ONCE YOU GET THERE, YOU WILL HAVE ALL THE RESOURCES YOU NEED! **BUT**...YOUR BOAT DOES NOT HAVE ANYTHING ON IT AT ALL RIGHT NOW!

## **YOU NEED TO START PACKING!!!**

THE ITEMS LISTED BELOW ARE THE ONLY THINGS YOU WILL BE ABLE TO TAKE WITH YOU. HOW IMPORTANT ARE THESE THINGS TO KEEP YOU ALIVE DURING YOUR LONG TRIP?

WRITE "1" BY THE MOST IMPORTANT THING YOU WILL NEED TO TAKE; WRITE "2" BY THE SECOND MOST IMPORTANT THING, AND SO ON...UNTIL YOU REACH "14". THIS ONE IS THE MOST USELESS THING YOU CAN USE ON YOUR TRIP.

## **THINK CAREFULLY!!**

## **THREE DAYS IS A LONG TIME ON A BOAT!!!**

GAMES	_____	SOAP	_____
CLOTHES	_____	CANDY	_____
FOOD	_____	GASOLINE	_____
WATER	_____	UMBRELLA	_____
TV	_____	BLANKET	_____
WALKIE TALKIE	_____	BOAT MOTOR	_____
A COAT	_____	MATCHES	_____

**HERE IS MY BEST ATTEMPT AT PLACING THESE ITEMS IN ORDER. FEEL FREE TO ALTER THEM AS NEEDED!!!**

- 1. BOAT MOTOR** - WITHOUT A MOTOR, YOU ARE NOT GOING TO TRAVEL VERY FAR IN YOUR BOAT
- 2. GASOLINE** - HOW DO YOU EXPECT YOUR MOTOR TO KEEP RUNNING???
- 3. WATER** - THE OCEAN IS SALTWATER, SO YOU WILL NEED FRESH WATER TO SURVIVE.
- 4. FOOD** - YOU SHOULD BE ABLE TO LIVE FOR THREE DAYS WITHOUT ANY FOOD. IT WOULD NOT BE VERY MUCH FUN, THOUGH. SO I WOULD SUGGEST CARRYING SOME WITH YOU!
- 5. WALKIE TALKIE** - THIS COULD COME IN HANDY IF YOU NEED TO CONTACT SOMEONE FOR HELP!!!
- 6. BLANKET** - EVEN THOUGH YOU WILL BE TRAVELING DURING THE SUMMER, YOU STILL MIGHT GET COLD AT NIGHT...
- 7. CLOTHES** - THREE DAYS OF WEARING THE SAME CLOTHES?!?! YOU ARE GOING TO NEED TO CHANGE YOUR CLOTHES!!!
- 8. SOAP** - YOUR BODY WILL NOT SMELL VERY GOOD AFTER THREE DAYS WITHOUT CLEANING UP!
- 9. UMBRELLA** - IF THE WEATHER IS NOT VERY GOOD, YOU MAY NEED THIS ITEM TO STAY DRY!
- 10. A COAT** - REMEMBER, IT IS SUMMERTIME. YOUR BLANKET SHOULD BE ALL YOU NEED TO STAY WARM!
- 11. CANDY** - I THINK YOU CAN GO THREE DAYS WITHOUT SWEETS!!!
- 12. GAMES** - GAMES MAY BE HELPFUL TO PASS THE TIME, BUT YOU CAN LIVE WITHOUT THEM!
- 13. MATCHES** - WHAT ARE YOU PLANNING ON DOING? BURNING YOUR BOAT?!?! KEEP THESE AT HOME!!!
- 14. TV** - COME ON!!! WHERE ARE YOU GOING TO PLUG IT IN?

## **DAY THREE**

**TODAY, YOU AND YOUR CHILD WILL:**

- 1. REVIEW DAY ONE USING THE FOLLOWING TEXT**
- 2. RUN THE ACTIVITY: "CYCLES IN LIFE"**

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**THE FOLLOWING LIST WILL GIVE YOU THE MOST IMPORTANT ITEMS TO REVIEW FOR YOUR ACTIVITY TODAY!**

CYCLES EXIST IN MANY DIFFERENT AREAS OF LIFE, ESPECIALLY WITH OUR RENEWABLE RESOURCES. HOWEVER, SOME MATERIALS WE USE DO NOT HAVE A CYCLE.

IDENTIFYING RENEWABLE FROM NONRENEWABLE RESOURCES MAY HELP TO TAKE BETTER CARE OF THE MATERIALS WE USE EVERY DAY.

## **CYCLES IN LIFE**

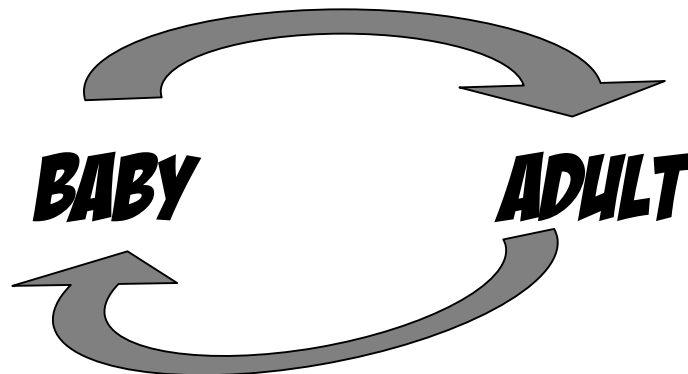
CHILDREN WILL EXPLORE SEVERAL DIFFERENT CYCLES TO IDENTIFY RENEWABLE AND NONRENEWABLE RESOURCES.

### **MATERIALS:**

PAPER AND PENCIL

### **ACTIVITY:**

EXPLAIN TO CHILD THAT CYCLES ARE AN IMPORTANT ASPECT OF LIFE ON EARTH. A CYCLE MAY GO THROUGH MANY DIFFERENT STEPS, BUT IT ALWAYS ARRIVES BACK AT A SAME SPOT. BECAUSE OF THIS, LIFE CAN CONTINUE ON OUR PLANET EVEN THOUGH IT MAY GO THROUGH MANY CHANGES. SHOW YOUR CHILD CARD #1. THERE ARE MANY DIFFERENT STAGES BETWEEN "BABY" AND "ADULT", BUT IT IS A TRUE CYCLE WITH NEW BIRTHS FROM ADULTS CONTINUING THE CYCLE OF LIFE.



ASK THE CHILD IF THEY CAN THINK OF ANY ENDLESS CYCLES ON THEIR OWN. EXAMPLES MAY INCLUDE:

*DAY TURNS INTO NIGHT  
NIGHT TURNS INTO DAY*

*A SEED IS USED TO MAKE A TREE  
A TREE MAKES NEW SEEDS*

**HAVE THE CHILD DRAW A CYCLE OF A TYPICAL DAY IN THEIR LIFE.**

INFORM THE CHILD THAT ONCE ANY STEP IN A CYCLE IS CHANGED, THE CYCLE DOES NOT EXIST ANYMORE. DISCUSS WHAT IS WRONG WITH THE FOLLOWING PROCESS:

**OIL IS TAKEN FROM THE GROUND  
OIL IS USED TO MAKE GASOLINE FOR OUR CARS  
OUR CARS USE UP THEIR GASOLINE  
WE FILL UP THE CARS WITH MORE GASOLINE**

(THIS IS NOT A TRUE CYCLE, BECAUSE IT CANNOT GO ON FOREVER...  
OIL IS A NONRENEWABLE RESOURCE.)

HAVE THE CHILD READ THROUGH THE FOLLOWING LIST OF SCENARIOS. HAVE THE CHILD DETERMINE IF EACH ONE IS A TRUE CYCLE OR NOT. IF IT IS NOT A TRUE CYCLE, HAVE THEM DRAW WHAT NEEDS TO BE DONE TO MAKE IT INTO A TRUE CYCLE!

# **CYCLE SCENARIOS**

## **#1**

BUY A CAR  
DRIVE A CAR  
WRECK A CAR  
THROW THE CAR AWAY  
BUY A NEW CAR

## **#2**

WATER IN THE OCEAN HEATS UP AND TURNS TO STEAM  
STEAM COOLS AND FORMS A CLOUD  
THE CLOUD PROVIDES RAIN  
RAIN FILLS UP THE OCEAN

### #3

A SEED GROWS IN THE GROUND  
A SEEDLING IS FORMED  
THE SEEDLING GROWS INTO A LARGE PLANT  
THE PLANTS MAKES SEEDS  
THE SEEDS FALL TO THE GROUND

### #4

A TREE IS CUT DOWN TO MAKE PAPER  
THE PAPER IS USED TO MAKE NEWSPAPERS  
THE NEWSPAPERS ARE READ BY A PERSON  
THE NEWSPAPER IS THROWN OUT

### #5

PLASTIC IS MADE BY A COMPANY  
THE PLASTIC IS MOLDED INTO A SODA BOTTLE  
THE BOTTLE IS FILLED WITH SODA AND DRANK DURING YOUR LUNCH  
THE BOTTLE IS THROWN AWAY

### #6

BRICKS ARE USED TO MAKE A BUILDING  
THE BUILDING GETS USED AND TORN DOWN  
THE BRICKS ARE BROKEN UP AND THROWN INTO THE TRASH

### #7

A SODA CAN IS DRANK BY A CHILD  
THE CAN IS MELTED DOWN  
THE MELTED METAL IS USED TO MAKE A NEW SODA CAN

### #8

FALL ENDS AND WINTER BEGINS  
WINTER ENDS AND SPRING BEGINS  
SPRING ENDS AND SUMMER BEGINS  
SUMMER ENDS AND FALL BEGINS

**ANSWERS:**

**#1 (NOT A TRUE CYCLE)**

IN ORDER TO BECOME A CYCLE, THE WRECKED CAR WOULD HAVE TO BE RECYCLED

**#2 (TRUE CYCLE)**

THIS IS THE WATER CYCLE IN ACTION!!!

**#3 (TRUE CYCLE)**

THIS IS THE LIFE CYCLE OF A PLANT!!!

**#4 (NOT A TRUE CYCLE)**

THE NEWSPAPER WOULD NEED TO BE RECYCLED IN SOME WAY TO BE A TRUE  
CYCLE

**#5 (NOT A TRUE CYCLE)**

THE PLASTIC WOULD NEED TO BE RECYCLED IN SOME WAY TO BE A TRUE CYCLE

**#6 (NOT A TRUE CYCLE)**

THE BRICKS WOULD NEED TO BE RECYCLED IN SOME WAY TO BE A TRUE CYCLE

**#7 (TRUE CYCLE)**

THIS IS HOW A SODA CAN IS RECYCLED!!!

**#8 (TRUE CYCLE)**

THIS IS HOW OUR SEASONS CYCLE THROUGHOUT THE YEAR