

Name \_\_\_\_\_

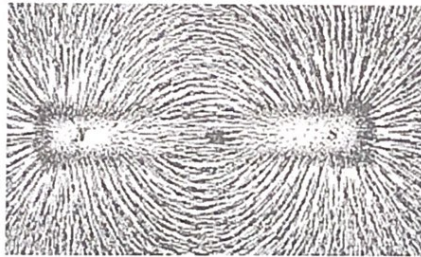
## SCIENCE REVIEW

1. CIRCLE THE EXAMPLES OF STATIC ELECTRICITY. UNDERLINE THE EXAMPLES OF CURRENT ELECTRICITY.

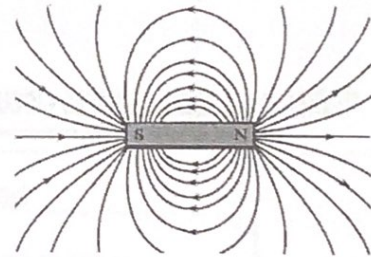
- RUBBING A BALLOON IN YOUR HAIR
- PLUGGING IN A TOASTER
- TAKING CLOTHES OUT OF A DRYER & GETTING SHOCKED
- LIGHTNING
- RAINSTORM WITH CLOUDS
- RUBBING SHOES ON CARPET
- RUBBING ANIMAL HAIR
- LIGHT SWITCH
- MAKING AN ALARM SYSTEM WORK
- RUBBING A PLASTIC COMB ON WOOL
- SEEING SPARKS ON YOUR SHEETS
- CHARGING YOUR PHONE BATTERY

WRITE AN "R" NEXT TO THE PICTURES SHOWING REPEL AND AN "A" NEXT TO PICTURES SHOWING ATTRACT.

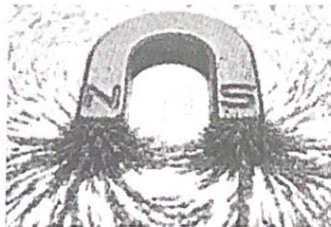
2. \_\_\_\_\_



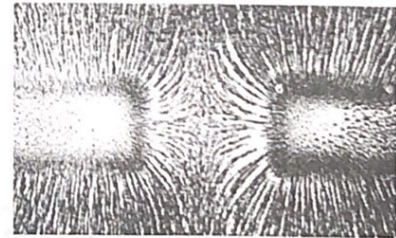
3. \_\_\_\_\_



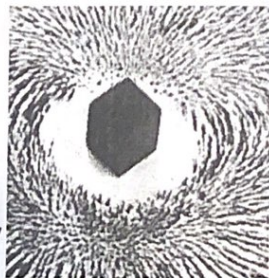
4. \_\_\_\_\_



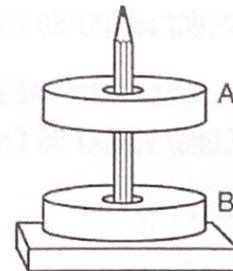
5. \_\_\_\_\_



6. \_\_\_\_\_



7. \_\_\_\_\_



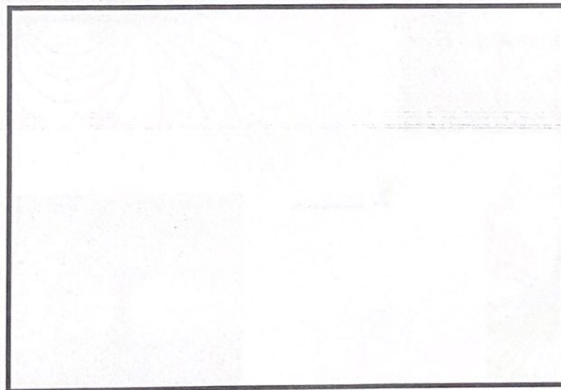
8. READ THROUGH THE LIST BELOW. SORT

ALL THE ITEMS IN THE CORRECT AREA.

- KEY
- PLASTIC SPOON
- METAL HANGER
- PAPERCLIP
- TOOTHPICK
- GLASS
- WATER
- TIN FOIL
- FEATHER
- SHIRT
- NEWSPAPER

CONDUCTORS	INSULATORS

9. DRAW & LABEL A SIMPLE CIRCUIT IN THE PROVIDED BOX.



10. IF YOUR SIMPLE CIRCUIT HAD 1 BATTERY AND 2 LIGHTS, WOULD THE LIGHTS BE:  
STRONG/ WEAK/ NO CHANGE?

11. IF YOUR SIMPLE CIRCUIT HAD 2 BATTERIES AND 1 LIGHT, WOULD THE LIGHTS BE:  
STRONG/ WEAK/ NO CHANGE?

12. READ THE LIST BELOW. SORT THE TERMS IN THE CORRECT BOX.

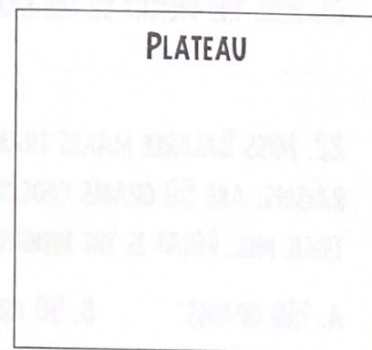
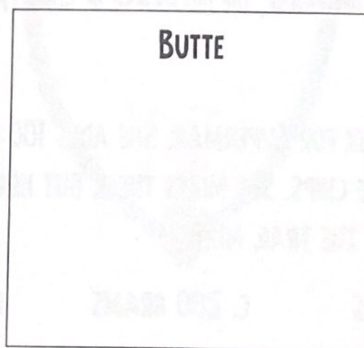
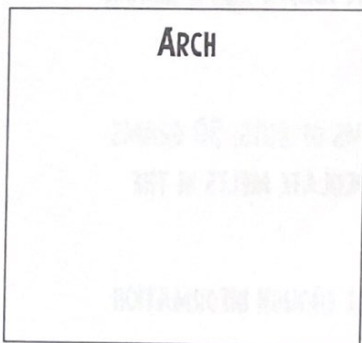
- RUSTED BIKE
- RIVER
- SAND DUNE
- PLANT GROWING THROUGH A SIDEWALK
- ABRASION
- DELTA
- FLOOD
- GLACIER
- FREEZE THAW
- EARTHQUAKE FAULTLINE
- ACID RAIN ON HEADSTONE
- MUDSLIDE
- DOG DIGGING HOLE
- LICHEN

WEATHERING	EROSION	DEPOSITION

13. HOW LONG IT TAKE FOR RIVERS TO CARVE OUT THE GRAND CANYON? -----

14. WHERE IS THE OLDEST PART OF THE GRAND CANYON? TOP/ MIDDLE/ BOTTOM

15. DRAW THE FOLLOWING PICTURES:



16. WRITE A "P" FOR PHYSICAL CHANGE AND A "C" FOR A CHEMICAL CHANGE.

BAKING A CAKE _____	BREAKING YOUR ARM _____	DIGESTING FOOD _____
FREEZING WATER _____	FIREWORKS _____	BURNING WOOD _____
CUTTING YOUR HAIR _____	BITING YOUR NAILS _____	FROSTING A CAKE _____
BUBBLES _____	PRODUCING GAS _____	SHATTERING GLASS _____
MELTING A POPSICLE _____	RUSTED BIKE _____	BAD ODOR _____
DISSOLVING _____	NEW PRODUCT _____	REVERSIBLE _____
UNEXPECTED COLOR _____	MOLECULES CHANGE _____	LIGHTS _____

17. REACTANT + REACTANT = \_\_\_\_\_

18. IF YOU DISSOLVE 15 G. SUGAR IN 1 CUP WATER, WILL THE WEIGHT BE THE SAME, INCREASE, OR DECREASE AFTER YOU MIX EVERYTHING?

19. THE LAW OF CONSERVATION OF MATTER STATES THAT MATTER CANNOT BE \_\_\_\_\_ OR \_\_\_\_\_ BUT IT CAN BE \_\_\_\_\_.

20. IF YOU COMBINE TWO REACTANTS THAT PRODUCE BUBBLES AND AN ODOR, WILL THE WEIGHT BE THE SAME, INCREASE, OR DECREASE AFTER YOU MIX EVERYTHING?

21. WILL THE WEIGHT BE THE SAME, INCREASE, OR DECREASE IF SOMETHING IS FROZEN AND IT MELTS?

22. MISS BALDREE MAKES TRAIL MIX FOR SUPERMAN. SHE ADDS 100 GRAMS OF NUTS, 50 GRAMS RAISINS, AND 50 GRAMS CHOCOLATE CHIPS. SHE MIXES THEM, BUT HER CHOCOLATE MELTS IN THE TRAIL MIX. WHAT IS THE WEIGHT OF THE TRAIL MIX?

A. 150 GRAMS      B. 50 GRAMS      C. 200 GRAMS      D. NOT ENOUGH INFORMATION

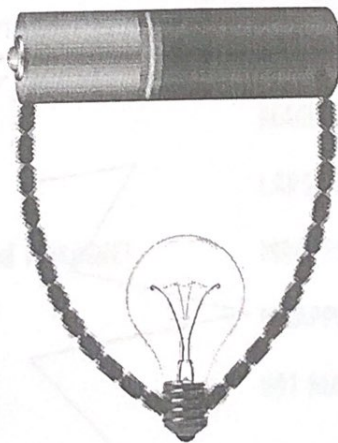
23. THIS IS MISS BALDREE'S CAR. IT'S FANCY IN EVERY WAY. IT WEIGHED 3,480 LBS WHEN SHE BOUGHT IT. SHE WAS SO EXCITED TO LEARN HOW IT WORKS THAT SHE DISASSEMBLED IT OVER HER SPRING BREAK. SHE COULDN'T FIGURE OUT HOW THE ENGINE WORKED, SO SHE THREW ALL THE PIECES IN THE TRUNK ---HOPING NO ONE WOULD NOTICE. WHAT IS THE TOTAL MASS AFTER SHE DISASSEMBLED IT?

CIRCLE ONE ANSWER: MORE/ LESS/ THE SAME/ WHO KNOWS???



24. WHAT ITEMS COULD REPLACE THE PATHWAY IN THE PICTURE? CIRCLE THEM:

METAL HANGER      FEATHER      PAPERCLIP      PLASTIC FORK      BUTTON  
RUBBER BALLOON      COINS      NAIL      STEEL KNIFE



25. IF WEATHERING, EROSION, AND DEPOSITION STOPPED ON EARTH, WOULD IT CHANGE EARTH'S APPEARANCE? HOW? \_\_\_\_\_

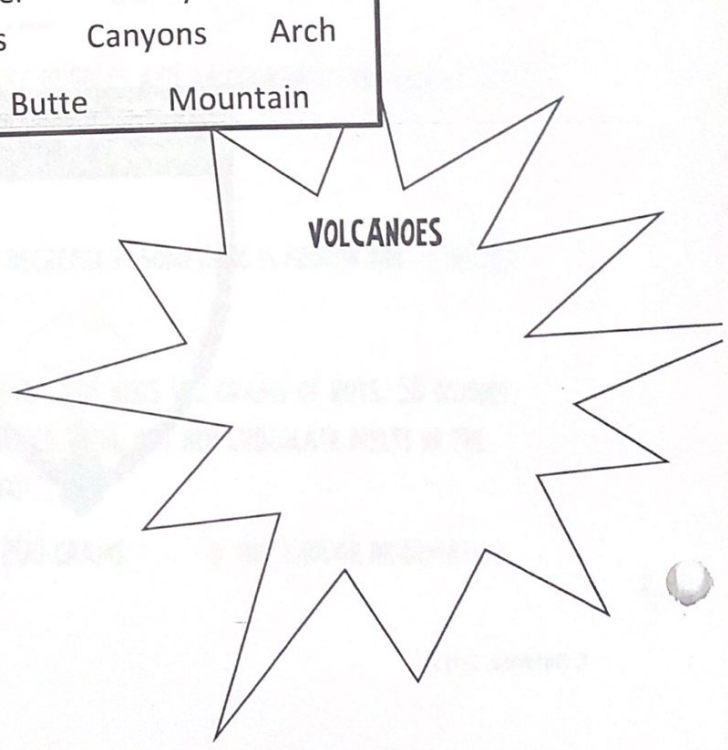
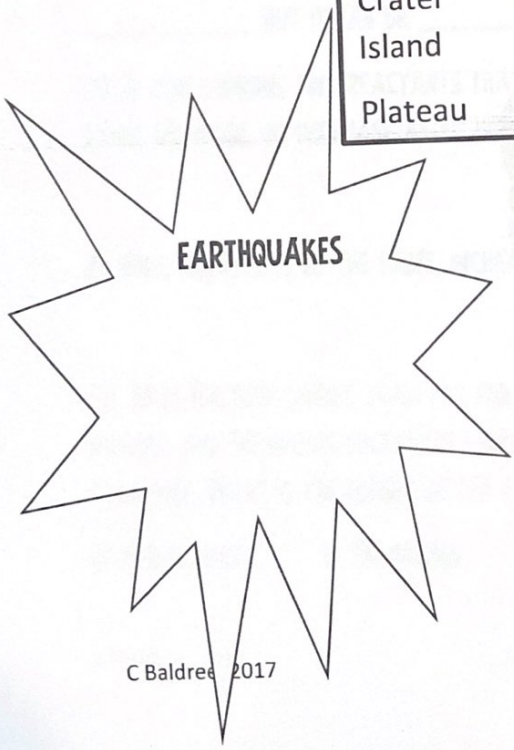
26. WRITE DAYS, THOUSANDS, MILLIONS, OR BILLIONS NEXT TO EACH WORD. DECIDE ABOUT HOW LONG IT TOOK TO FORM EACH LANDFORM.

- |                    |                |
|--------------------|----------------|
| PLATEAU _____      | CANYON _____   |
| FAULT LINE _____   | MOUNTAIN _____ |
| GRAND CANYON _____ | ARCH _____     |
| GLACIER _____      | BUTTE _____    |
| EARTHQUAKE _____   |                |

27. OF THE LIST IN #26, WHICH WAS FORMED FROM UPLIFT? \_\_\_\_\_

28. FROM THE LIST IN THE BOX, SORT THE LANDFORMS CREATED BY VOLCANOES AND EARTHQUAKES. IF THE LANDFORM ISN'T CREATED BY EITHER, LEAVE IT IN THE BOX.

- |         |         |          |       |
|---------|---------|----------|-------|
| Crater  | Glacier | Valley   | Fault |
| Island  | Lakes   | Canyons  | Arch  |
| Plateau | Butte   | Mountain |       |



29. ON A MAGNET, IF YOU PLACED TWO LIKE POLES TOWARD EACH OTHER THEY WOULD \_\_\_\_\_.

30. THE EARTH IS COMPARED TO WHAT TYPE OF MAGNET? \_\_\_\_\_

31. WHAT ARE THE PARTS TO AN ELECTROMAGNET? \_\_\_\_\_

31. IF I PLACE A MAGNET CLOSE TO A COMPASS, WHAT WOULD HAPPEN? \_\_\_\_\_

32. MATCH A WORD FROM THE LEFT COLUMN TO A WORD IN THE RIGHT COLUMN WITH A LINE:

LODESTONE

REPEL

NORTH  $\neq$  SOUTH

TEMPORARY MAGNET

COMPASS

MAGNET POWERED BY ELECTRICITY

ELECTROMAGNET

ALWAYS POINTS NORTH

NORTH  $\neq$  NORTH

NATURAL MAGNET

STRONGER

ATTRACT

ATOMS LINE UP

MAGNETIC

WEAKER

LARGE BAR MAGNET

SCRATCHING A NAIL ON A MAGNET

WRAPPING MORE WIRE COILS AROUND A NAIL

ATOMS NOT LINED UP

WRAPPING FEW WIRE COILS AROUND A NAIL

EARTH

NOT MAGNETIC