

CLOVERBUDS

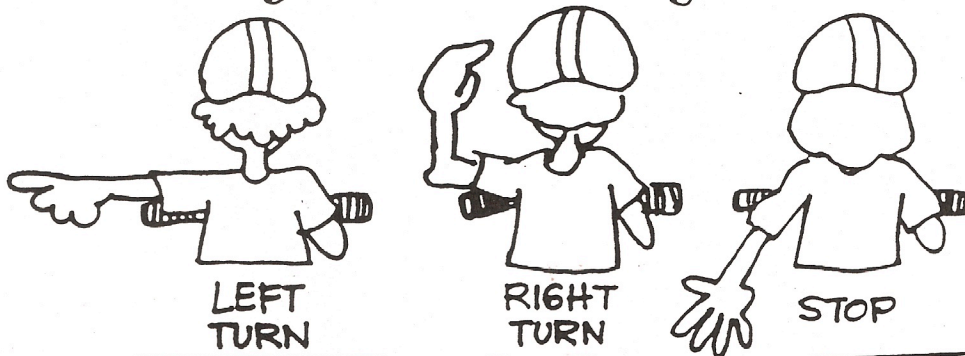


MECHANICAL SCIENCE

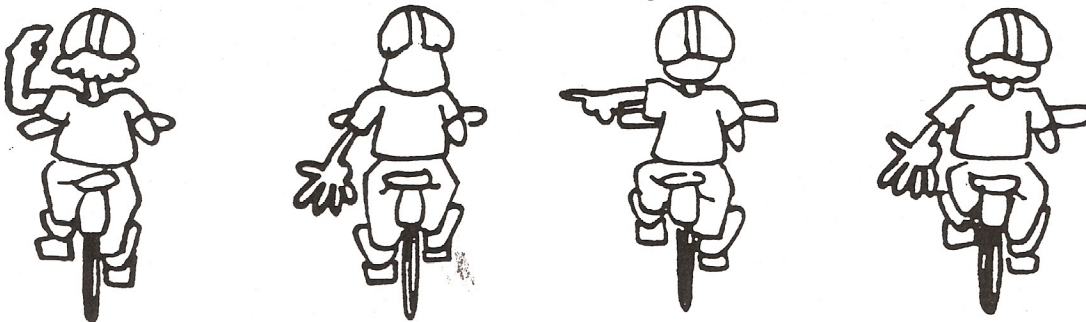
This project also requires the
My Cloverbud 4-H Project Summary
http://osceola.ifas.ufl.edu/pdfs/4H/CB_Report_Summary.pdf

Steer clear With hand signals!

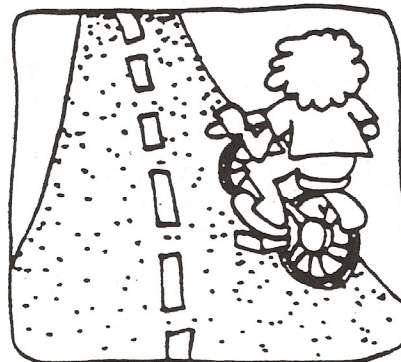
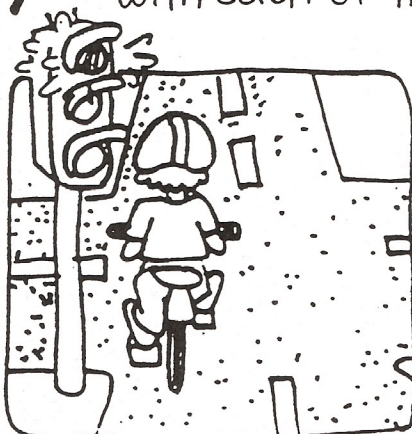
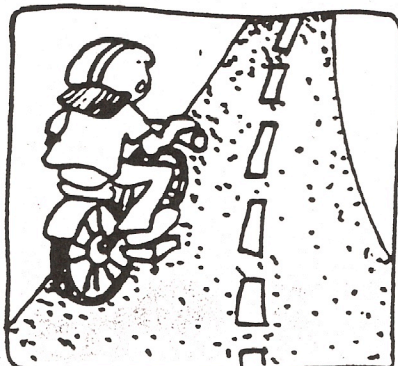
According to the law, a bicycle rider must use the left arm to signal when turning or stopping.



What are the riders going to do?



Bike Safely! Tell what's wrong with each of these pictures.



Better Biker Checklist



Use this list to check out your bike for safety. Draw lines to label the bike parts on the bicycle picture below.

headlight, taillight, reflectors

- working clean unbroken

handlebars

- tight
 right height
 handgrips in good condition

wheels

- spin without wobbling
 rims round and clean

pedals

- unbroken
 secure

brakes

- work quickly and smoothly

tires

- right amount of air
 treads ok

bell or horn

- clear and loud
(to be heard 100 feet away)

seat

- right height
 tight and level

chain

- fits snugly
 clean and oiled

frame and fenders

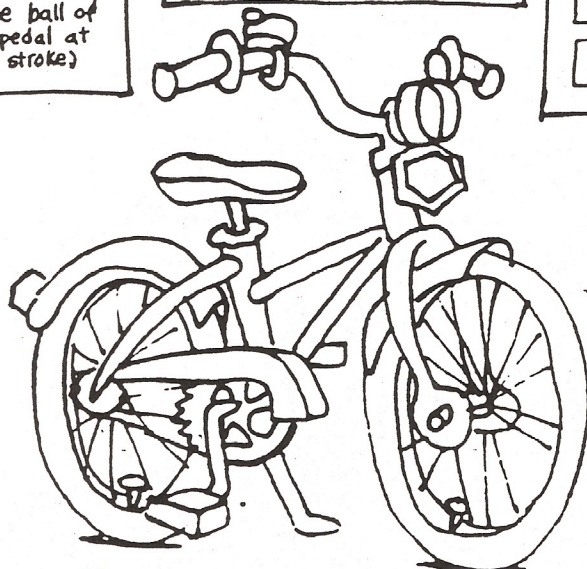
- lined up
 all parts ok

(your legs should bend only slightly with the ball of your foot on the pedal at the bottom of the stroke)

spokes

- tight
 all there

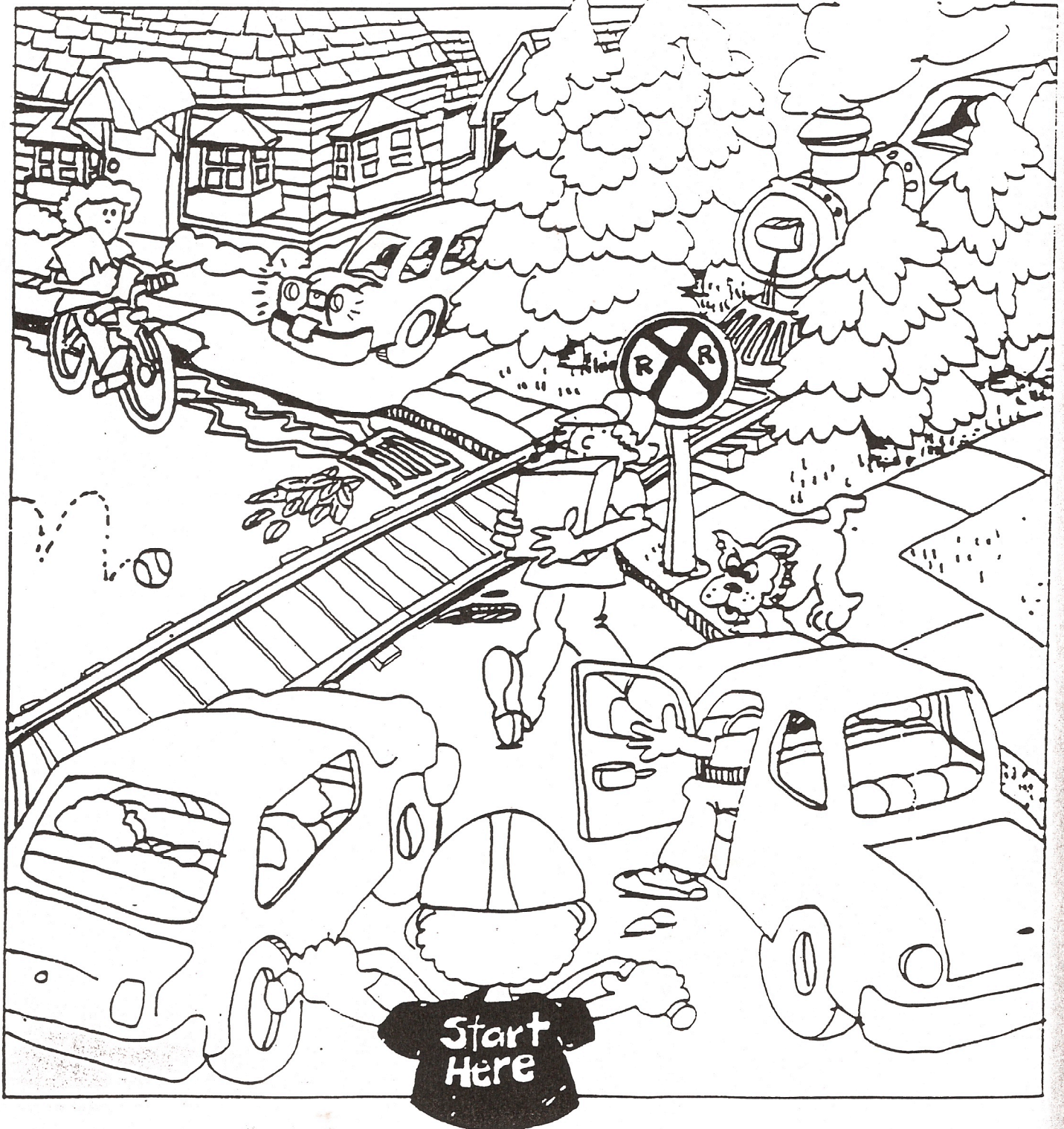
taillight
seat
handlebar
fender
pedal



bell
spoke
tire
chain
kickstand

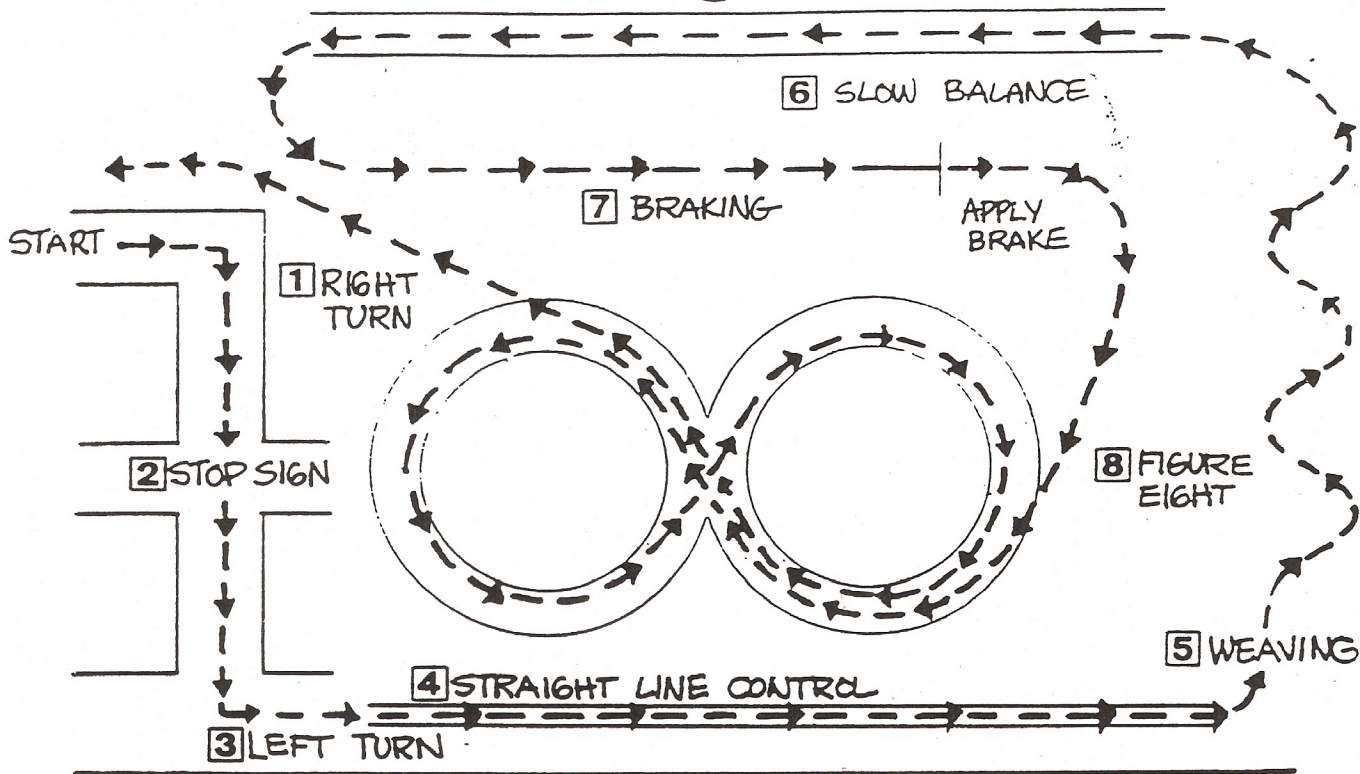
Find the hazards

There are many hazards facing this bicycle rider. Circle as many as you can find and think of the best way to avoid their danger. Always ride with a plan for emergencies. Safe planners are safer riders!





Bike driving skills test



Score Card

Name _____

Date _____ Judge _____

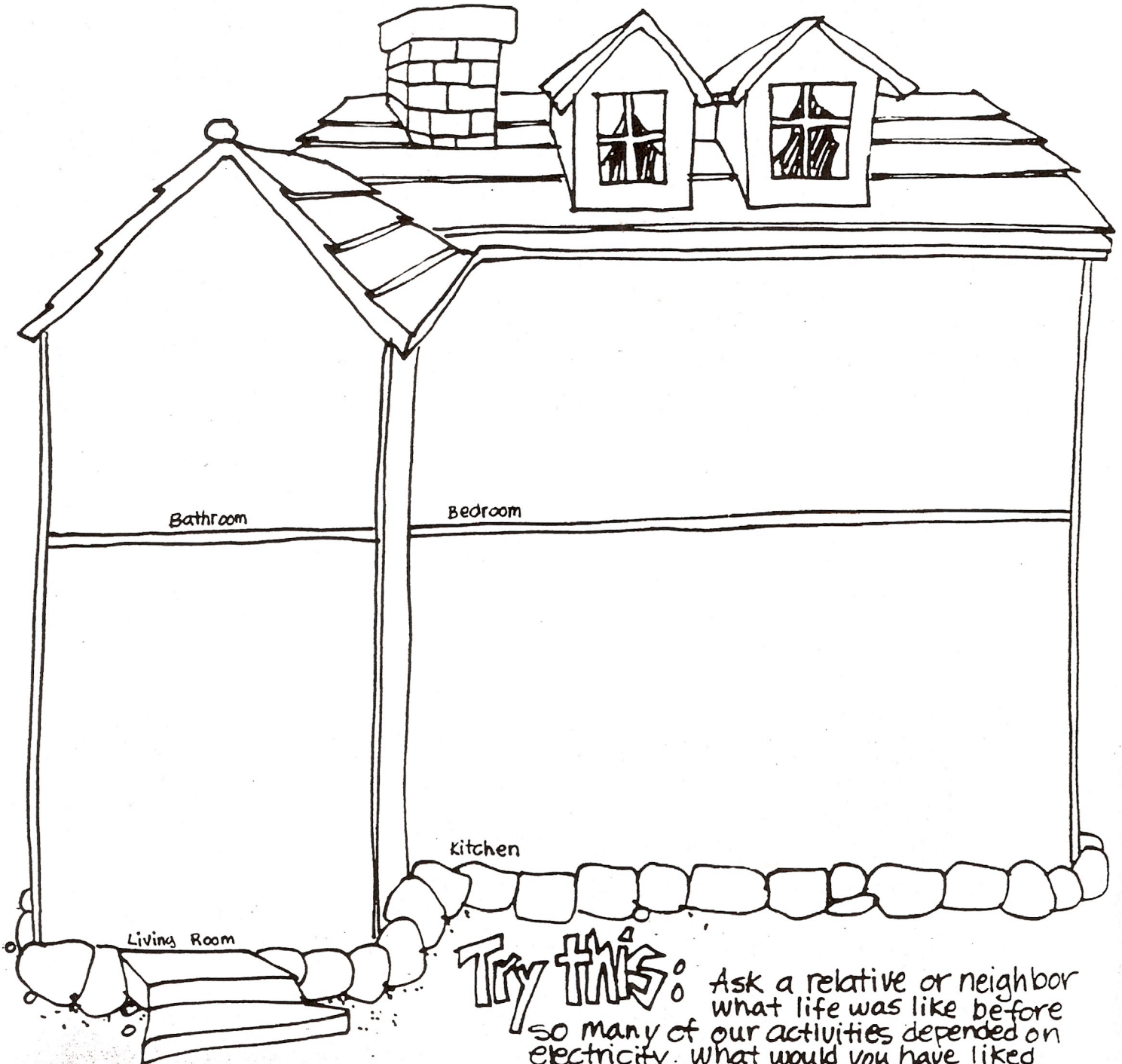
Score 5 points for each of the following items. Possible points: 100

<p>1 RIGHT TURN</p> <p>Proper signal _____ Check for traffic _____</p>	<p>SCORE</p> <p>_____</p> <p>_____</p>	<p>5 WEAVING</p> <p>Touch no marker _____ No foot on ground _____</p>	<p>SCORE</p> <p>_____</p> <p>_____</p>
<p>2 STOP SIGN/CROSSWALK</p> <p>Proper signal _____ Stop before crosswalk _____ Check before proceeding _____</p>	<p>_____</p> <p>_____</p> <p>_____</p>	<p>6 SLOW BALANCE</p> <p>30 seconds or more _____ No touching lines _____ No foot on ground _____</p>	<p>_____</p> <p>_____</p> <p>_____</p>
<p>3 LEFT TURN</p> <p>Proper signal _____ Check behind _____</p>	<p>_____</p> <p>_____</p>	<p>7 BRAKING</p> <p>No swerving _____ No early stop _____ No foot on ground _____</p>	<p>_____</p> <p>_____</p> <p>_____</p>
<p>4 STRAIGHT LINE CONTROL</p> <p>Start between lines _____ Stay within lines _____</p>	<p>_____</p> <p>_____</p>	<p>8 FIGURE EIGHT</p> <p>No touching lines _____ No foot on ground _____ Scan at intersection _____</p>	<p>_____</p> <p>_____</p> <p>_____</p>

TOTAL SCORE

EXPLORING WITH Electricity!

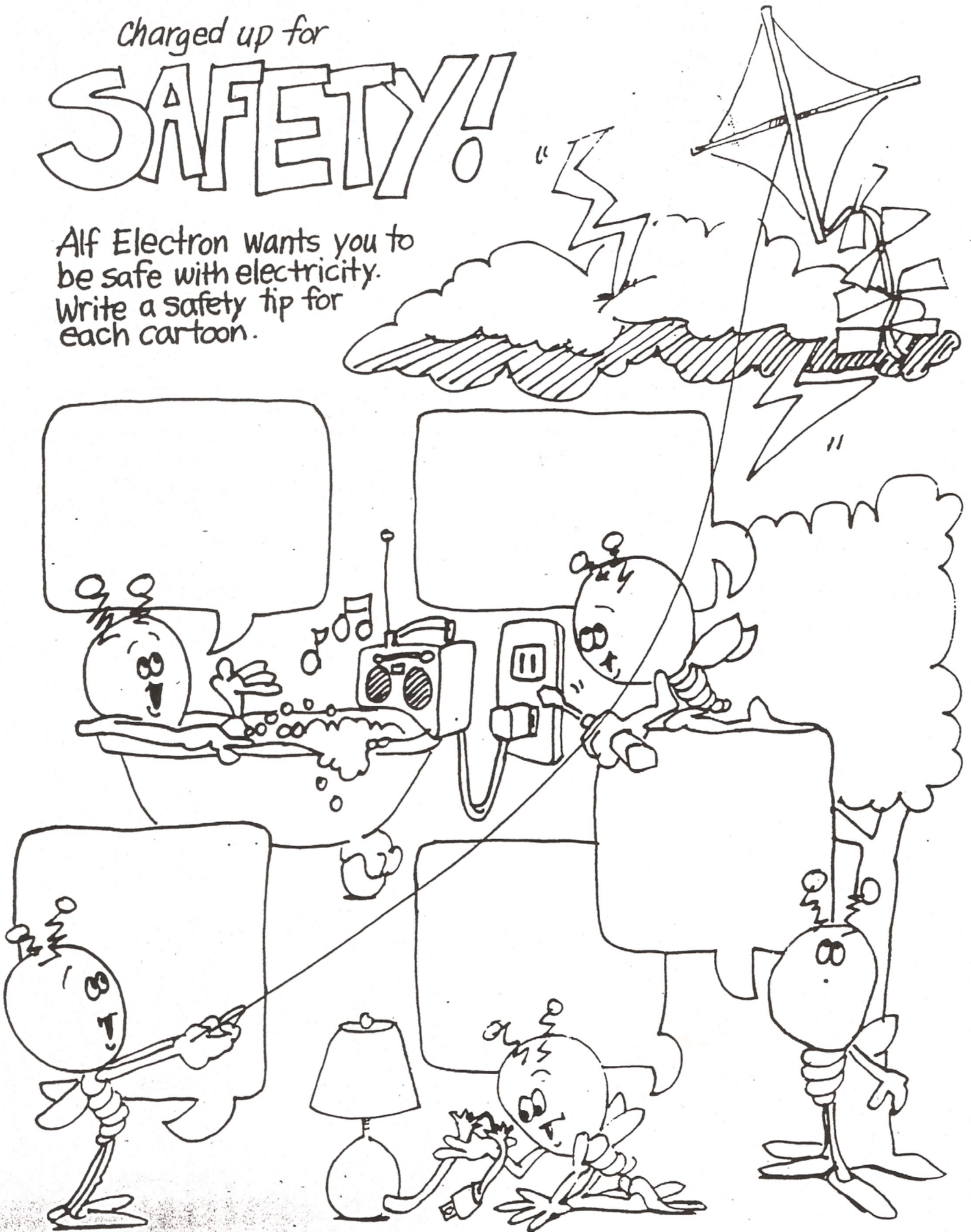
Explore your home. How many of the things you do in each room depend on electricity? Write or draw them in the rooms below.



Try this! Ask a relative or neighbor what life was like before so many of our activities depended on electricity. What would you have liked about those days?

Charged up for
SAFETY!

Alf Electron wants you to be safe with electricity. Write a safety tip for each cartoon.





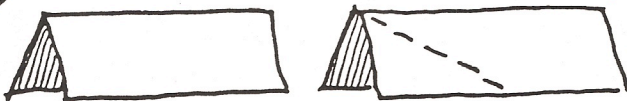
Paper Power!

You need:

Sturdy or stiff paper - 8 1/2" x 11"
Crayons or markers
tape

You do:

1. Fold the paper lengthwise.



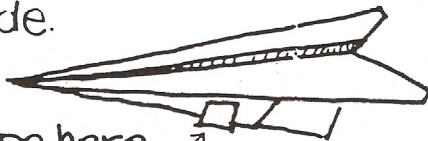
2. Fold corner up along dotted line then fold up again along second dotted line.



3. One more fold up and this side is finished!



4. Turn the paper over and repeat folds on opposite side.



5. Tape here and decorate with markers or crayons.

Flight Time

Measure off a landing strip, marking distances with masking tape. Each pilot makes five flights, recording the distance of each flight.

Flight Record

1.	_____
2.	_____
3.	_____
4.	_____
5.	_____

Which was the longest flight? _____

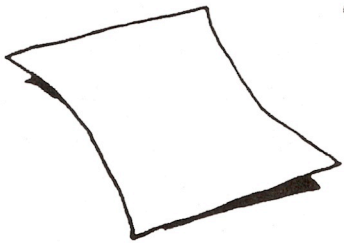
The shortest? _____

What made the difference? _____

Who's the long-distance pilot in your group?

Up, Up and Away!

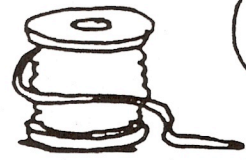
You need:



1 sheet of paper
8 1/2" x 11"

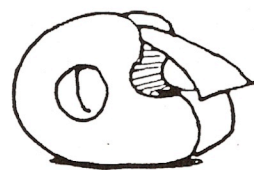


drinking
straw

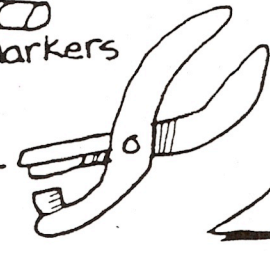


polyester thread

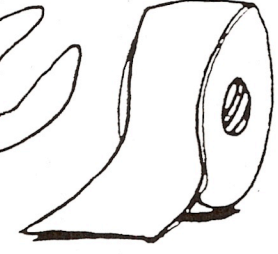
crayons or markers



tape



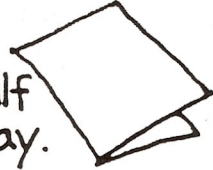
paper
punch



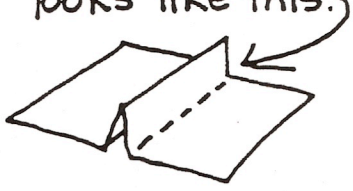
crepe paper

You do:

1. Fold the paper in half the short way.

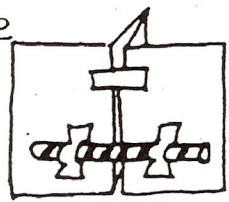


2. Fold the folded edge over the rest of the paper in both directions so it looks like this.

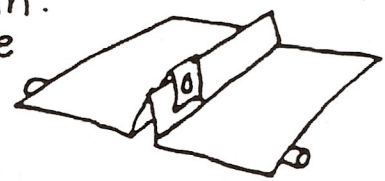


3. Decorate with crayons or markers

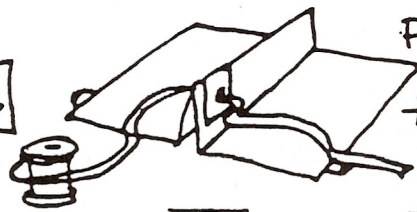
4. Turn the kite over and tape across the fold at one end. Tape the drinking straw across the other end.



5. Place a piece of tape across the fold on the other side of the kite 1 1/2" from the front (straw end) on the folded margin. Punch a hole through the tape and paper.



6. Push the end of your thread through the hole and tie three or four knots to hold the thread.



7. Tape colorful streamers to the bottom of your kite and you're ready to fly!

