

**Battelle's
'Answer Sheets'
for the
Energy Ant Book
Activities**

ENERGY ACTIVITY:

Motion

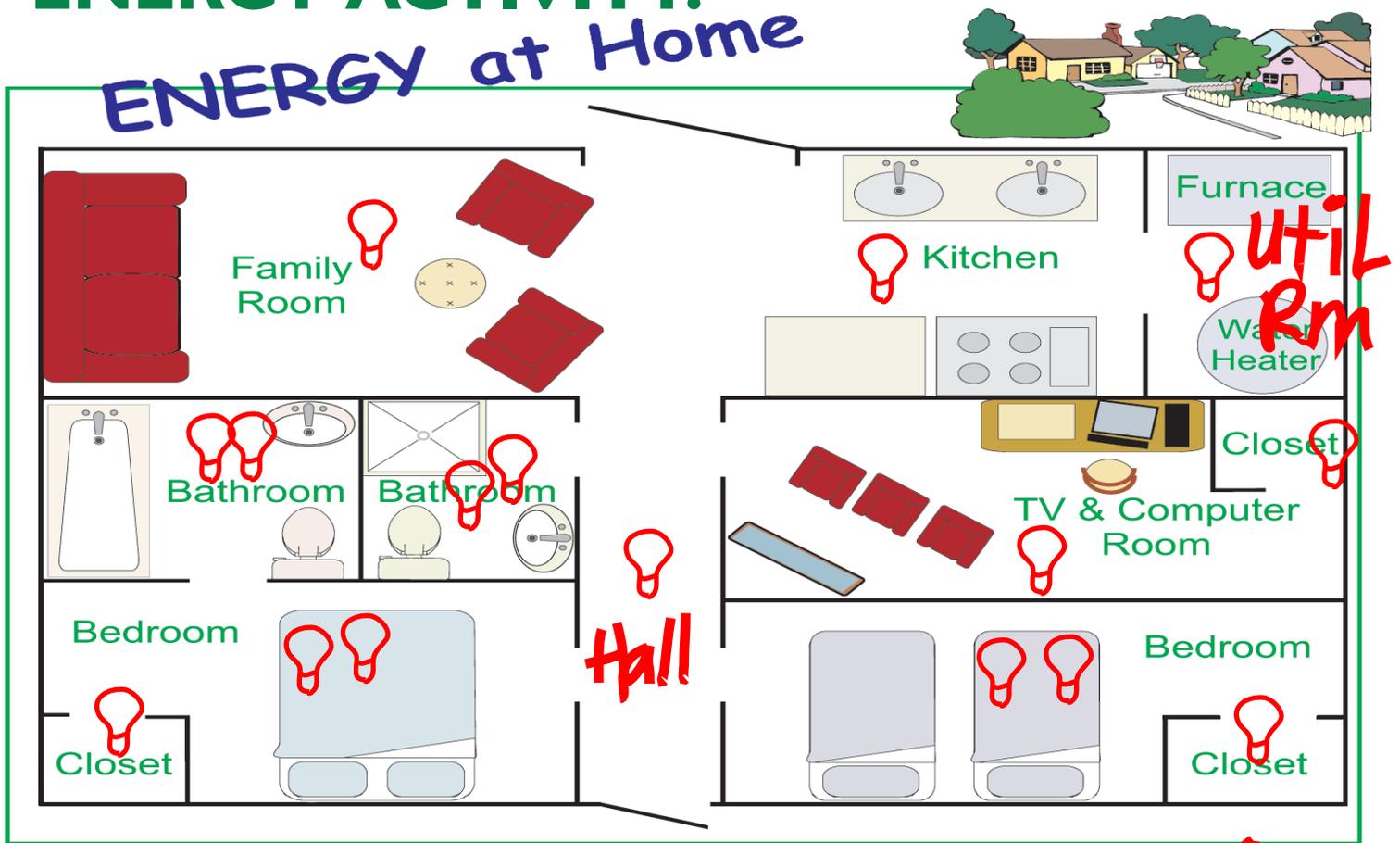
Make a circle around the objects that burn fuel to move.

Make an "X" through the objects that need people power to move.



ENERGY ACTIVITY:

ENERGY at Home



1. How many live in this house (count the pillows on the beds)? 4

2. Each bathroom has two . How many are in all the bathrooms? 4

3. Each bedroom has two and each closet has one . How many in all?

7 (2 bedrooms + 3 closets)

4. The family room, kitchen, utility room, hall and TV/computer room each have one . How many are there in the whole house? 16

5. Each uses one for four hours each day. How many hours a day are they used in all? 16 hours (4 people x 4 hours)

6. Each uses ten cents (\$0.10) worth of electricity per hour. How much does the family pay for electricity for every day? \$1.60 (16 x 10¢)

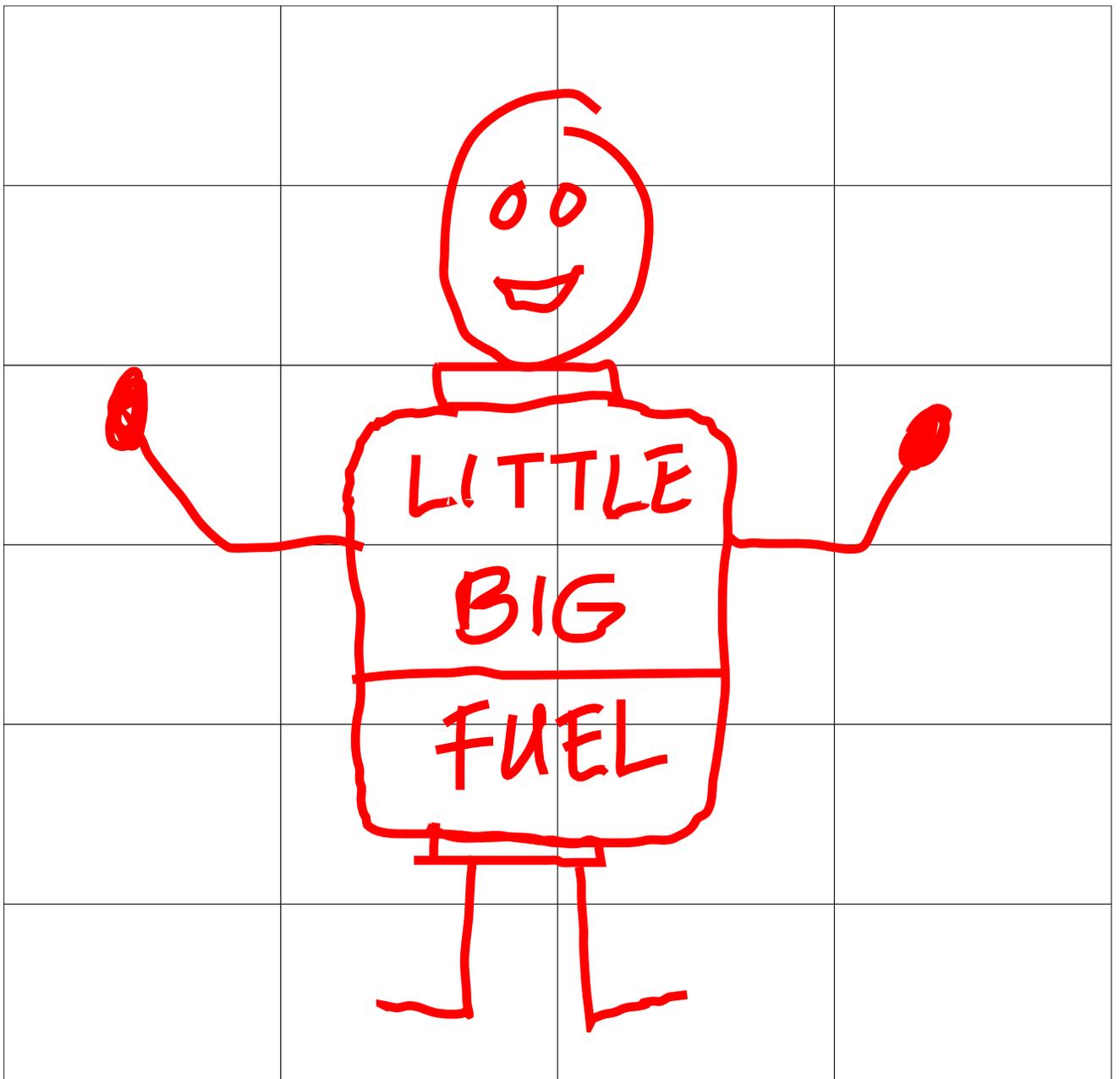
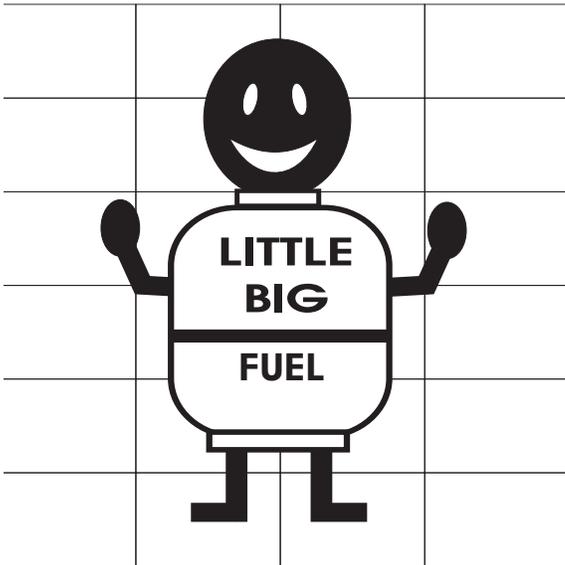
7. Two take showers every day and two take baths. Each shower uses 10 gallons of and each bath uses 20 gallons. The family also uses 20 gallons of a day to wash dishes. How many gallons of are used each day? 80 gallons

$$\begin{array}{r}
 2 \times 10 = 20 \text{ gallons} \\
 2 \times 20 = 40 \\
 + 20 \\
 \hline
 \end{array}$$

ENERGY ACTIVITY:

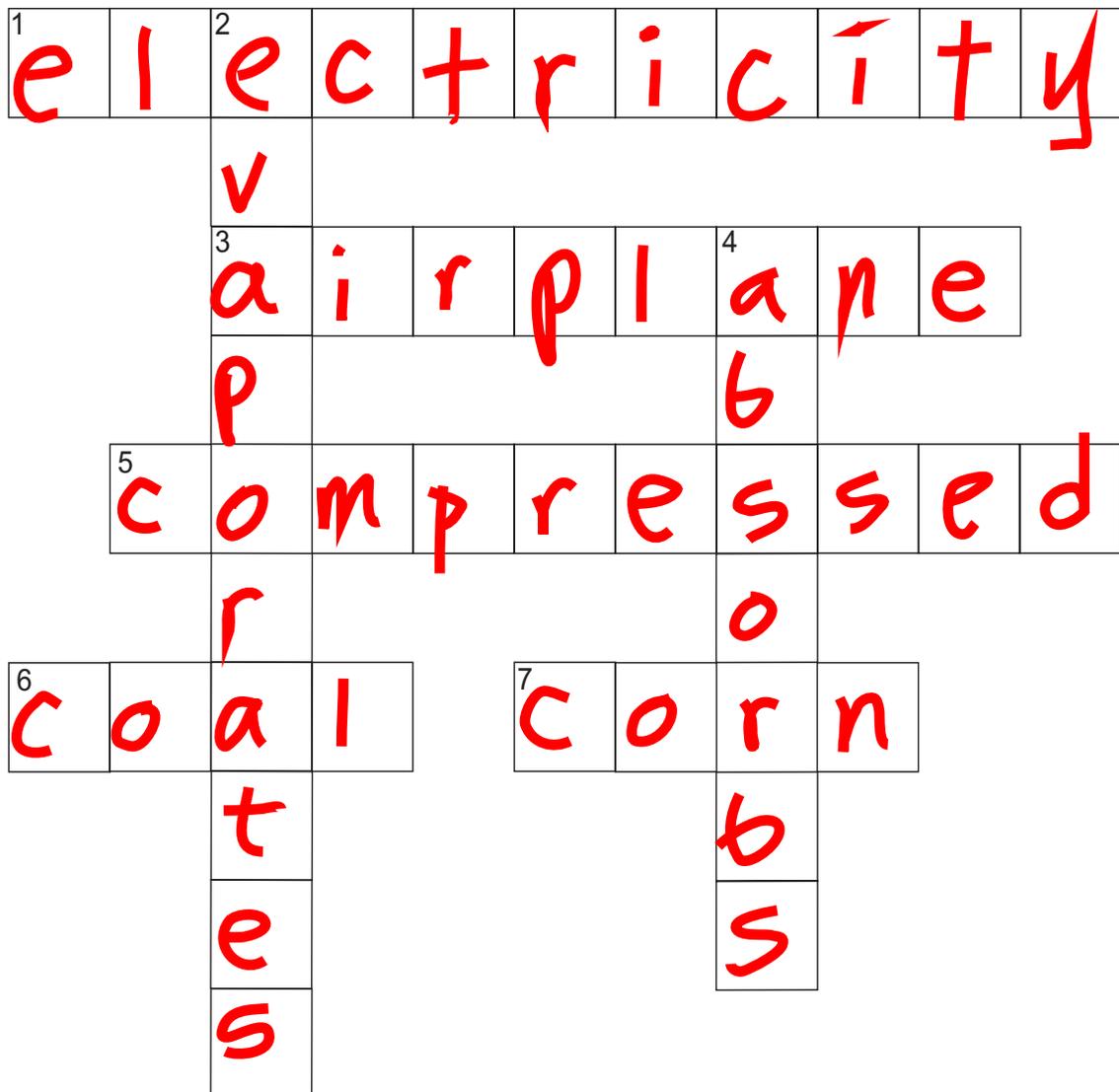
Practicing Drawing to Scale

Using the larger sheet of graph paper, below, please draw the picture of "Little Big Fuel" that is on the smaller sheet of graph paper, to your left.



ENERGY ACTIVITY:

Energy Word Puzzle



ACROSS

- 1 This powers our light bulbs.
- 3 A form of transportation that burns fuel to move. (Hint: It flies.)
- 5 Propane turns into a liquid after this has been done to it.
- 6 A black rock full of energy.
- 7 In the U.S., ethanol is made from what plant?

DOWN

- 2 When a drop of water becomes invisible, it does this.
- 4 The color black does this to solar energy.