

What Is Energy?

4

We need energy to move. Food gives us energy. That's why we need food.



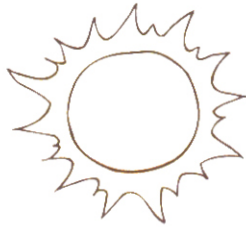
In this unit, students will:

- understand that energy has many forms and that the sun is the main source of energy.
- identify common sources of energy.
- identify things that need energy to work.

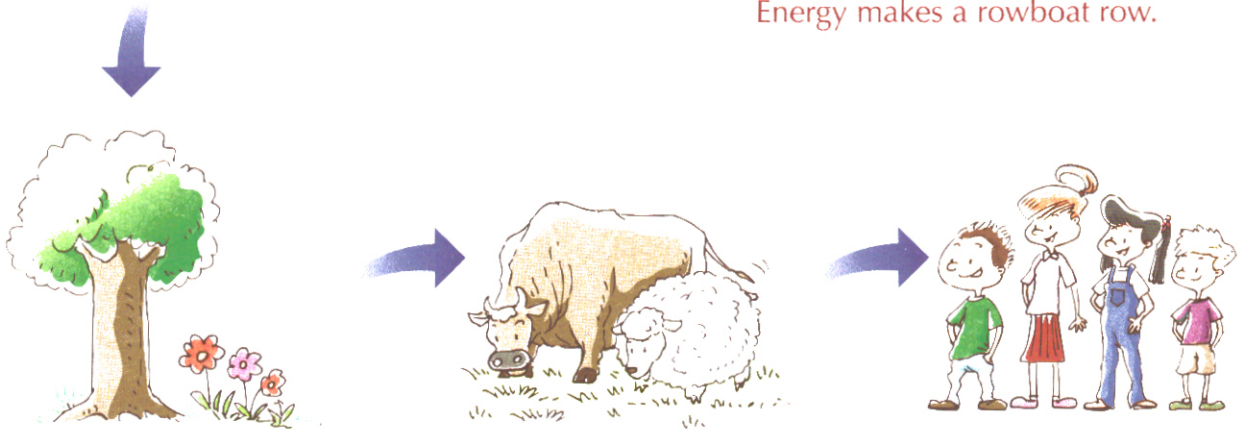
A. Label each part of the energy chain. Then follow the path of the energy chain to complete the sentences.

animals plants sun

1.



Energy causes things to go, birds to fly, and grass to grow. It makes clocks tick and mowers mow. Energy makes a rowboat row.

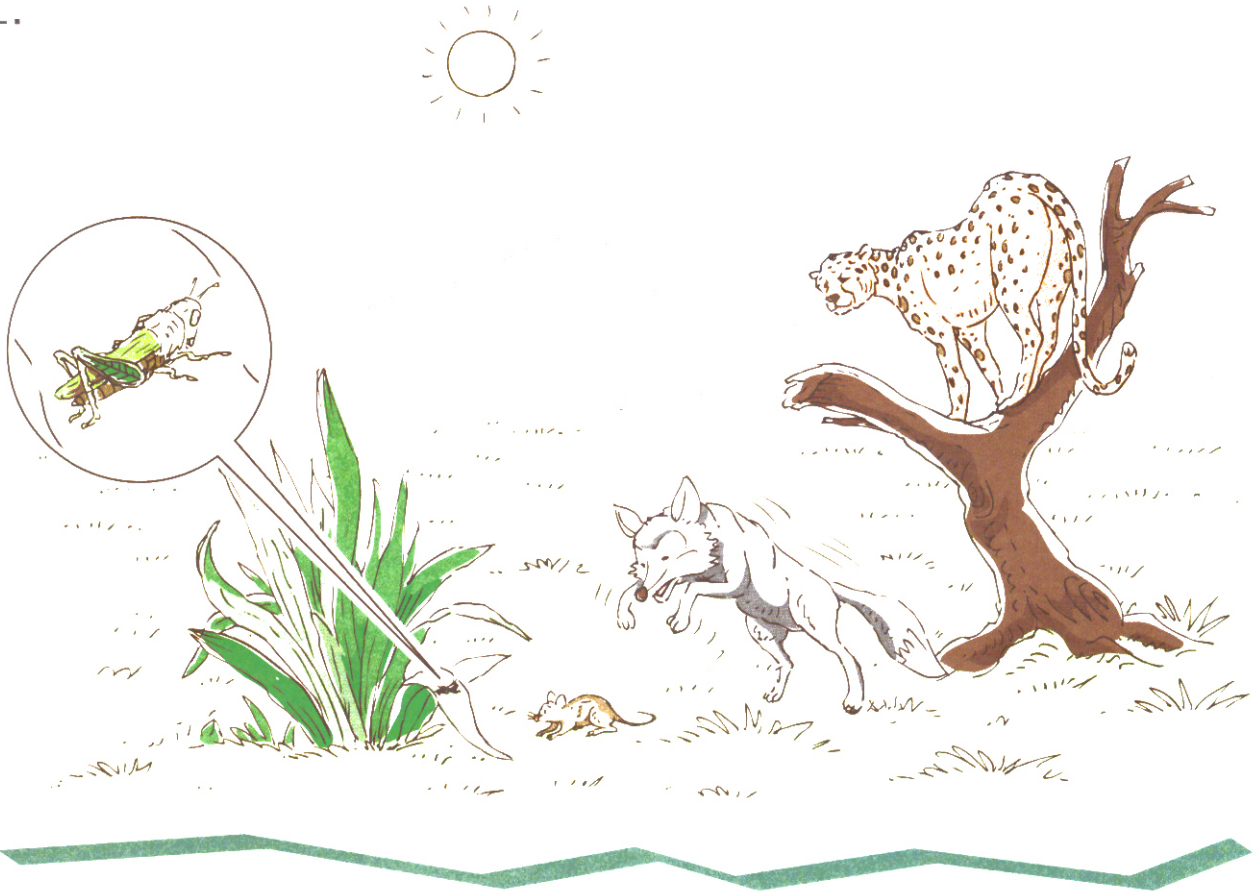


human beings

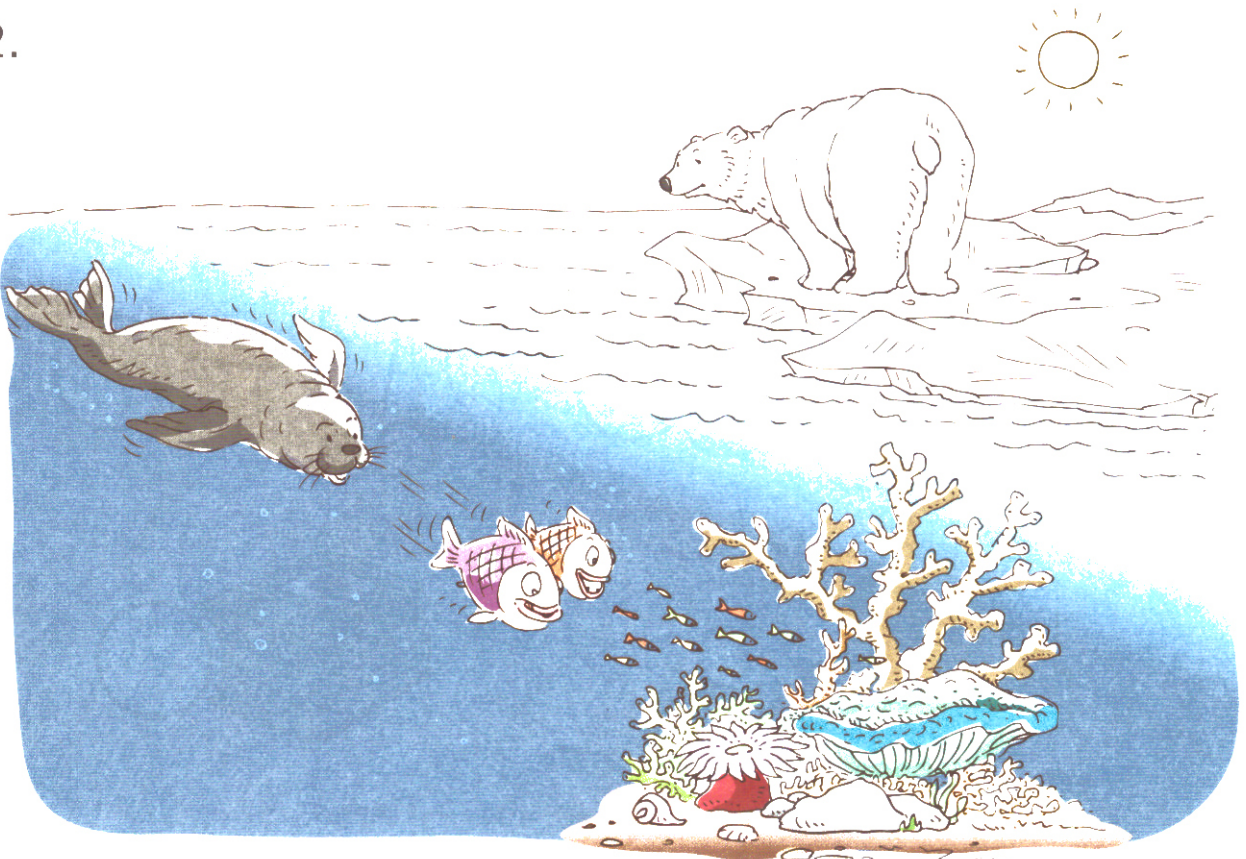
2. Plants get energy from the _____ to live and grow.
3. Animals use energy they get from the _____ they eat.
4. Plants and _____ give us energy.
5. We use our _____ to work and play.

B. Draw arrows to show an energy chain, starting from the sun.

1.



2.



C. Check ✓ the things that need energy.



D. Match the energy users with their energy givers. Write the answers in the spaces provided.

Energy Givers

Electricity

Gasoline

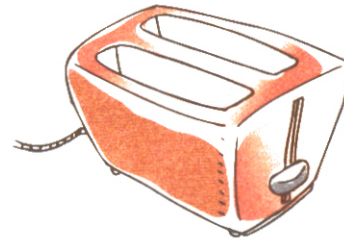
Muscle

Sun

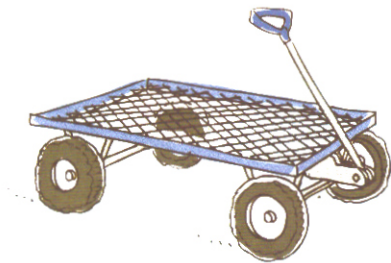
Wind



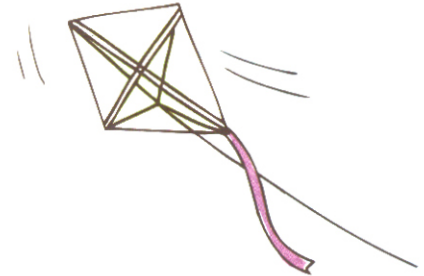
1.



2.



3.

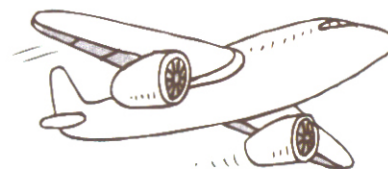


4.

Energy Users



5.

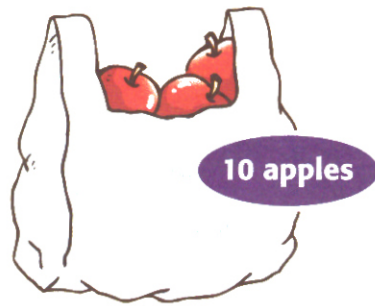


6.

Try this

How Much Energy Do You Need?

Prepare the things below for the experiment.



Put the items in 3 bags.



Lift the bags one by one. Then record to show how much energy you need to lift each bag.

the most energy

some energy

the least energy

Checklist

Are you able to...

- tell that energy has many forms and that the sun is the main source of energy?
- identify common sources of energy?
- identify things that need energy to work?