Living and non-living things

1. Look at the picture. Ring the living things in one colour, the non-living things in a different colour and the once living things in a third colour.

2. Find the seven characteristics of a living thing in this word square.

- reproduces
- makes waste
- moves
- senses
- makes
- moves
- senses
- makes
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3. Rearrange the words to make sentences about living and non-living things.
   a. living and are Plants things. animals
   ____________________________
   b. water non-living and things. Rocks , , metal are sand
   ____________________________
   c. leather , horn once , and were living Bone things. wood
   ____________________________

4. The robot dog in the picture can move by itself. It has special sensors that make it respond to light, sounds and things that touch it. To do these things it uses energy supplied by a battery.

   Answer the questions.
   a. Is the robot alive? ___________________________
   b. What things does the robot not do that living things do?
   ____________________________
   c. How does the robot move? ___________________________
   d. How are living things made? ___________________________

Living things: Life processes
The characteristics of life

1. Unscramble the words to make the seven characteristics of life.

   w r o t g h __________
   d e e f i n g __________
   i n i r e s p r a t o __________
   n s e y i i t i v s __________
   d u p r e o n c i t r o __________
   t e v m e m o n __________
   e t c r e o x i n __________

2. Write the scientific words for each of these processes in living things.
   a) to increase in size ____________
   b) to produce young ____________
   c) to release energy from food ____________
   d) to get rid of waste from the body ____________

3. These pictures show two living things. One is a plant, the other an animal.

   sunflower
   cat
Describe briefly how the cat and the sunflower show each of the seven characteristics of life. (You should have written these characteristics in Activity 1.)

Cat
1. ____________________________________________________________
2. ____________________________________________________________
3. ____________________________________________________________
4. ____________________________________________________________
5. ____________________________________________________________
6. ____________________________________________________________
7. ____________________________________________________________

Sunflower
1. ____________________________________________________________
2. ____________________________________________________________
3. ____________________________________________________________
4. ____________________________________________________________
5. ____________________________________________________________
6. ____________________________________________________________
7. ____________________________________________________________

4. Which characteristics of life do you exhibit?
Make a list of things you do during the day. Complete the table.

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Life characteristic</th>
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**Nutrition**

1. **Answer the questions.**
   a. What is nutrition? ____________________________
   b. How do plants obtain nutrition? ____________________________
   c. How do animals obtain nutrition? ____________________________
   d. List **four** reasons why living things need nutrition.
      ___________ ___________ ___________ ___________

2. **Complete the sentences with the words in the box.**

   carnivore  herbivore  predator  omnivore  prey

   a. An animal that hunts other animals is a ______________. The animals it hunts are its ______________.
   b. An animal that only eats plants is a ______________.
   c. An animal that eats mainly meat is a ______________.
   d. An animal that eats plants and meat is an ______________.

3. **Look at these animals. Ring all the carnivores in one colour, the herbivores in a different colour and the omnivores in a third colour.**

4. **Can you write the plants and animals in the correct order?**
   **Complete the food chains with the words in the box.**

   antelope  grass  cheetah  caterpillar  bird  leaf

   a. ____________________________
   b. ____________________________

**Living things: Life processes**