What is a Robot?

1. On your scratch paper, jot down your answer.

2. Wait for the teacher's signal.

3. Person with the longest hair will go first:
   - introduce yourself to your group;
   - read your answer or explain your answer.

4. Go around the circle until all answers have been shared.

Our ideas:
What is a Robot?

Characteristics of a Robot:
- It is manufactured
- It can sense its environment
- It can respond to instructions

WRITE THIS

This background means we're writing this in our notebooks...
What are some examples of Robots?

1. Shoulder partners stand and face each other.

2. Person with the longest hair will go first:
   - introduce yourself to your shoulder partner;
   - offer an answer.

3. Person with shorter hair go second:
   - introduce yourself to your shoulder partner;
   - offer another answer.

4. Continue taking turns offering examples. Sit when you can't think of any more.

Our ideas:
real
fictional
What is a Robot?

Characteristics of a Robot:

- It is manufactured.
- It can sense its environment.
- It can respond to instructions.

In other words, how can you tell if something is a robot or not?

People made it, nature doesn’t.

Look back at what we wrote in our notebooks.... Choose an example of a Robot and explain how it matches one or more of these three characteristics.
Do Now: On your slip of paper, explain how this robot matches the three characteristics of a robot. Use specific examples to support your explanation.

Baba Shaniqua

Wall-E is a rob because...
- blah blah blah
- blah blah blah
- blah blah blah
What is a Robot?

Characteristics of a Robot:
- it is manufactured
- it can sense its environment
- it can respond to instructions

Remember from yesterday...

In other words, how can you tell if something is a robot or not?

What does it look like? What robot does it remind you of?

People made it, nature doesn't.
Does a robot have to be capable of movement?

1. Turn to your shoulder partner.
2. Person with the smallest hands go first:
   - introduce yourself;
   - explain why you chose this answer.
3. Share out reasons.
4. Return to your seat.
Is a Washing Machine a Robot?

It moves...

1. On your scratch paper, jot down your answer.

2. Wait for the teacher's signal.

3. Person with the smallest hands will go first:
   - introduce yourself to your group;
   - read your answer or explain your answer.

4. Go around the circle until all answers have been shared.

5. Come to an agreement. Be prepared to share.

Round Table Consensus

Is this a trick question?

Is there a correct answer?

Our ideas:

A   C   E   G
B   D   F   H

yes no
What about an ATM?

1. On your scratch paper, jot down your answer.

2. Wait for the teacher's signal.

3. Person with the smallest hands will go first:
   - introduce yourself to your group;
   - read your answer or explain your answer.

4. Go around the circle until all answers have been shared.

5. Come to an agreement. Be prepared to share.

Our ideas:

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>C</td>
<td>E</td>
<td>G</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>D</td>
<td>F</td>
<td>H</td>
<td></td>
</tr>
</tbody>
</table>
HOMEWORK

Look at some machines around your home. Could any of them be considered robots? Choose one machine that a person could claim to be a robot and provide evidence to support this claim.
Do Now: Share your homework with your table group.

1. Youngest person goes first:
   - introduce yourself;
   - share the machine you chose and the evidence that supports the claim it is a robot.
2. Go around the group sharing your homework.
Why do we have Robots?

The 4 D's

- Dull work (assembly line)
- Dirty work (mining, cleaning)
- Dangerous work (bomb disposal)
- Delicate work (precision, surgery, fine assembly)
- Discovery (undersea, outer space)

This background means we're writing this in our notebooks...
Some real robots...

DaVinci  Big Dog  Kiva

Aibo  Petman  Curiosity Rover