Worksheet: Senses vs Sensors

**Preview Questions:-**

1. What sensors or senses do we humans have?

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1. Describe how any two of the sensors you listed above work.

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1. Give examples of sensors in robots that are similar to human senses.

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**Open and Read the How do Human Sensors Work Powerpoint**

Label the following Diagrams

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1. Create a flow diagram of how the eye works.
2. Label the following diagram.



Visit this site

<https://www.amplifon.com/web/uk/interactive-ear/index.html>

1. Aside from hearing what else do the structures in the inner ear do for us?

<https://www.youtube.com/watch?v=YMIMvBa8XGs&vl=en>

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1. Which part of the nervous system is the sense of touch attached to?

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1. What kind of stimuli can your sense of touch detect?

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**Robot Sensors**

1. Look at the picture of the sensor and identify its name:

|  |  |
| --- | --- |
| Picture | Name |
| C:\Users\cherry.smyth\Desktop\LEG45506.JPG |  |
| C:\Users\cherry.smyth\Desktop\45504.png |  |
|  |  |
|  |  |

2. For each sensor, outline the main features and what their function is.

|  |  |
| --- | --- |
| Sensor Name | Features and function |
|  |  |
|  |  |
|  |  |
|  |  |

3. For each sensor , describe an example of a scenario when it could be used with a lego robot.

|  |  |
| --- | --- |
| Sensor Name | Example of when it could be used |
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|  |  |
|  |  |