# Sensing Your World

Different sensors can be used to detect different things. Can you match the type of sensor that is needed to perform the tasks in the table? You may wish to use the Internet to help you understand the purpose of the different types of sensor.

Sensors: Infrared Temperature Humidity Accelerometer Light sensor

|  |  |
| --- | --- |
| Task | Type of Sensor |
| Turn the heating on when the temperature falls below 20° |  |
| Turn on a light bulb automatically when it goes dark |  |
| Control a race car on a smart phone by tilting the phone left and right |  |
| Detect movement in a building |  |
| Automatically turn on a fan in a bathroom when the shower is used |  |

# Extension Task

Research other types and sensor and state how they could be used in an automated system.