

# The bionic body

Keeping you fit  
and healthy

## Wearable sensors

Future wearable devices will be **ultra-thin, like temporary tattoos**. Possible uses include:

- allowing people with prosthetic limbs to **detect touch**
- **controlling video games** purely by monitoring brain waves
- **monitoring a patient's health** and releasing medicine when needed



## Embedded intelligence

The latest **electric toothbrush** can tell you if you have a cavity forming and will even **book an appointment with your dentist!**



## 3D printed organs

Scientists are working on **3D printed organs** made from a patient's own cells. **They've already engineered bladders!**



## Prosthetic power

Body parts that are lost through trauma, disease or birth defect can be **replaced with prosthetics**, such as:

- **dentures and artificial limbs**
- hands that **respond to thought**
- **prosthetic eyes** that give a blind person sight
- **implanted devices** such as **insulin pumps, pacemakers** and **artificial organs**

Who knows what will happen in the future? Perhaps one day we'll have completely artificial bodies!

## Nanobot implants

Technologists are currently developing chips that could be **implanted in the brain**, allowing humans to be **wired to the internet** and **communicate by thought**.

