

# **AI Notes**

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## 1 Basics

- An A.I. program is an *intelligent agent*. An *intelligent agent* interacts with an *environment*, *perceiving* it's state through it's **sensors** and *affecting* it's state through it's **actuators**. The question that A.I. aims to answer is the **function/control policy** that *maps* sensors and actuators.
- The **perception-action** cycle is the closed loop formed by: environment giving feedback through sensors, the agent taking decisions and then the actuator realizing them.

