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## Summary

Bridle explains his thoughts on intelligence to readers in his interviews and in his books. In particular, he had to understand how we define intelligence and how things work. he stresses that our intelligence is limited because our people's intelligence is limited. In his interviews and books, Bridle explains various intelligent animals and how they use their abilities in their own intelligent ways. For example, the slime mold created the Tokyo transportation system in a short time, which humans should make in a huge amount of time. In another example, the most important reason why humans do not recognize intelligence is that they cannot use various abilities because they compare it to the intelligence we know and think only from our human point of view.

Q2. From the article on James Bridle's book. Bridle describes the work of Biologist Jakob von Uexkull who coined the term "umwelt". What is the defination of this word and what was the example sited. Lastly describe another example in your words of the umvelt of another plant or animal.

The meaning of the word Umwelt is that everyone and everything else is interconnected and all living things have a world that overlaps at least one with the other. His example of tick parasites is that ticks do things that affect other environments around them. They reproduce and help each other.

Q3. Create a list of attributes that any living thing possesses, that could be adopted or insprired by to apply to the field of robotics. Can you think of things that any living creature are good that the could be useful from a physical, behavior based or aesthetically derived perspective for a technology to utilize.

Think of specific traits, from specific species.

Specifically, Make a list of at least 3 from the plant kingdom.

Make another list of 3 examples from the animal or microrganism world.

**Plant Kingdom:** Plants can store and use infinite energy through photosynthesis. Plants attract other insects with their smells to protect themselves and hunt for food. Cactus stores water effectively and nourishes them in the right place.

Animal: The mantis crab is the widest range of light-sensing creatures on Earth. The color receptors in the eye detect colors that we do not see from the infrared to the ultraviolet region with 16 rectifications. It transmits colors that humans cannot detect through programming to the human brain or eyes. Kangaroo rats can live in the desert for years without drinking water. On the other hand, humans cannot live properly for even a few days Kangaroo rats can also completely release toxins accumulated in the body with a small level of water discharge. Chameleon and Octopus camouflage. camouflage techniques that allow people to permeate different backgrounds and naturally using their skin.

- Q4. Based on Bridle book other ideas of hybrid creatures, share your speculative ideas for 2 different systems where technology and the living world could enter into a some kind of symbiotic and mutualism based relationship. Something where they both have agency, worth and particapation.
  - I think one example of technology and the biological world going into a symbiotic
    relationship is humans and nature living together in a big tree. Starting with the roots
    of huge trees, humans can build natural buildings and structures with trees in
    collaboration with nature.
  - 2. When putting some water on a robot plant, the soil or roots around the plant purify the water It is a symbiotic system that helps people and plants. A person can drink purified water. Plants can survive through the water I give them and purify the surrounding carbon dioxide.