

Vastly expanded human intelligence (predominantly nonbiological) spreads through the universe

### **Epoch 6** *The Universe Wakes Up*

Patterns of matter and energy in the universe become saturated with intelligent processes and knowledge

Technology masters the methods of biology (including human intelligence)

### **Epoch 5** *Merger of Technology and Human Intelligence*

The methods of biology (including human intelligence) are integrated into the (exponentially expanding) human technology base

Technology evolves

### **Epoch 4** *Technology*

Information in hardware and software designs

Brains evolve

### **Epoch 3** *Brains*

Information in neural patterns

DNA evolves

### **Epoch 2** *Biology*

Information in DNA

### **Epoch 1** *Physics and Chemistry*

Information in atomic structures

## **The Six Epochs of Evolution**

Evolution works through indirection: it creates a capability and then uses that capability to evolve the next stage.