What is life? Definition of life

What are the requirements of life?

| Move | Exceptions: Trees, Cars, Fire |
|----------------------------|---|
| Grow | Exceptions: Crystals, volcanoes |
| React | Exceptions: Chemicals, atmosphere |
| Defend | Exceptions: spacecrafts |
| Metabolize | Exceptions: Engines, fire, Sun |
| Reproduce | Exceptions: Fire, Virus (cannot reproduce outside a host cell, do not have cells) |
| Communicate | Exceptions: spacecrafts |
| Evolve (natural selection) | |

Organized (decrease entropy)

Are stars alive?

What is intelligent life?

Decoding the genome code

Cloning life

Remember Dolly the sheep (cloned in 1997)? Only 1 or 2 viable out of 100 experiments Don't know impact on intellect & mood – more important for humans

Creating life (Scientists expect to create life within 10 years) This is creating life from scratch in a lab – chemicals to life

http://www.msnbc.msn.com/id/20249628/

Silicon based life (computers / robots)

Will computers be smarter than humans in the future – question may not even make sense as the distinction between humans and computers will erode away!