- science is about logic
- problem with the way we use theory in real world versus science

science

1) separate into control groups

2) not treated the same

1) can't make control groups

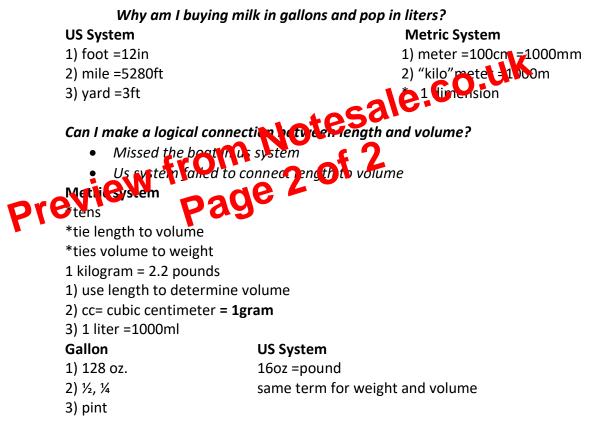
2) have to treat all patients the same

medicine differences

- 1) 50... antibiotic... 7-10 days...49 cleared up... 14-21 days... 50 cleared
- 2) 50... placebo... 7-10 days... 48 still afflicted... 14-21 days... 46 cleared
- 3) 50... nothing... 7-10 days... 49 still afflicted... 14-21 days... 47 cleared

most things clear on their own

- supported hypothesis with antibiotics
- good science, not good medicine
- logical steps and method



- plastic doesn't hold carbonation well
- lack of knowledge of metric system opened America to drug