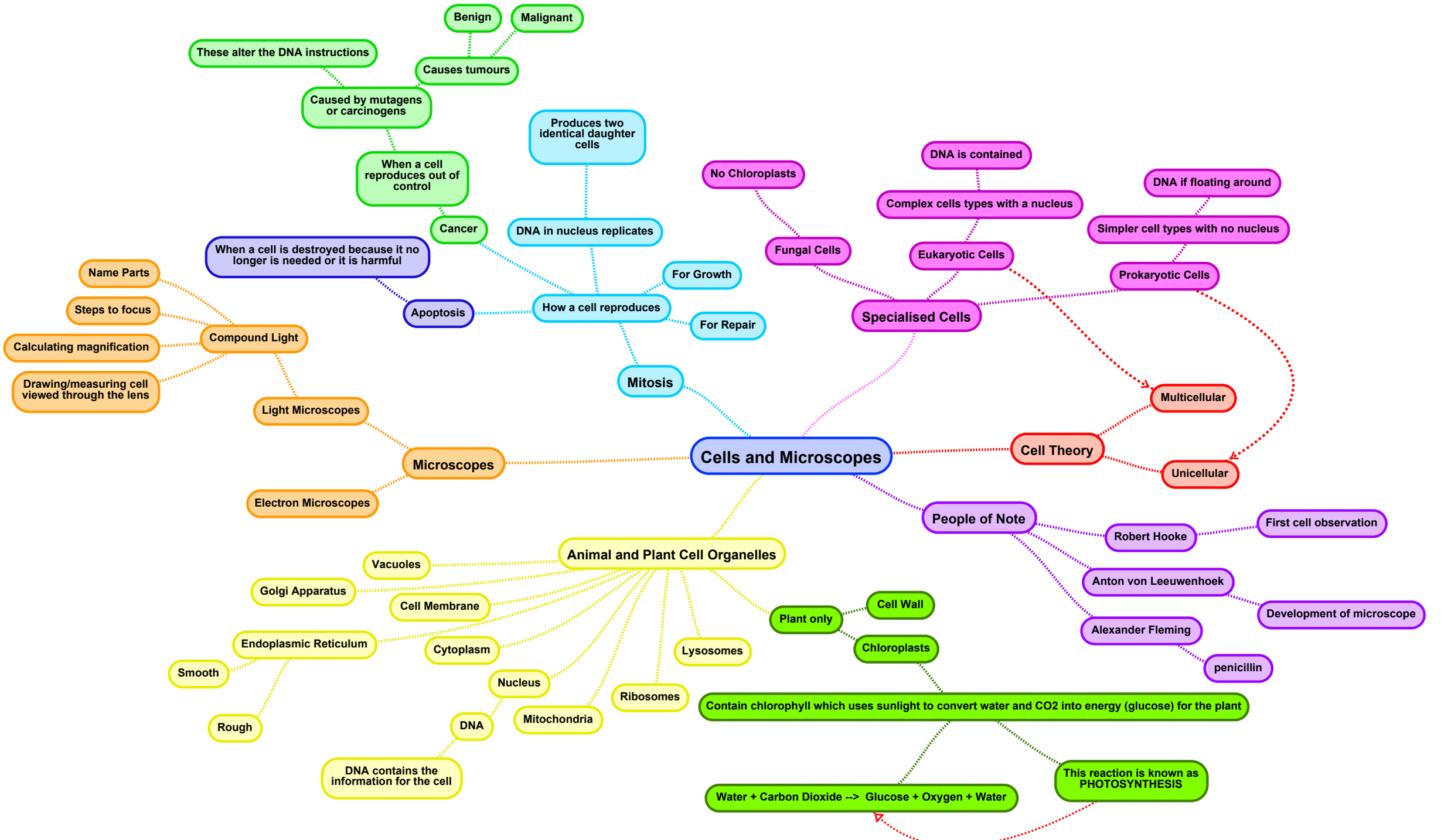
Benign
Malignant
These alter the DNA instructions
Causes tumours
Caused by mutagens or carcinogens
When a cell reproduces out of control
Cancer
Produces two identical daughter cells
DNA in nucleus replicates
When a cell is destroyed because it no longer is needed or it is harmful
Apoptosis
How a cell reproduces
For Growth
For Repair
Mitosis
No Chloroplasts
Fungal Cells
DNA is contained
Complex cells types with a nucleus
Eukaryotic Cells
DNA if floating around
Simpler cell types with no nucleus
Prokaryotic Cells
Specialised Cells
Name Parts
Steps to focus
Calculating magnification
Drawing/measuring cell viewed through the lens
Compound Light
Light Microscopes
Microscopes
Electron Microscopes
Cells and Microscopes
Multicellular
Cell Theory
Unicellular
People of Note
Robert Hooke
First cell observation
Anton von Leeuwenhoek
Development of microscope
Alexander Fleming
penicillin
Animal and Plant Cell Organelles
Vacuoles
Golgi Apparatus
Cell Membrane
Endoplasmic Reticulum
Smooth
Rough
Cytoplasm
Nucleus
DNA
DNA contains the information for the cell
Mitochondria
Ribosomes
Lysosomes
Plant only
Cell Wall
Chloroplasts
Contain chlorophyll which uses sunlight to convert water and CO2 into energy (glucose) for the plant
This reaction is known as PHOTOSYNTHESIS
Water + Carbon Dioxide --> Glucose + Oxygen + Water