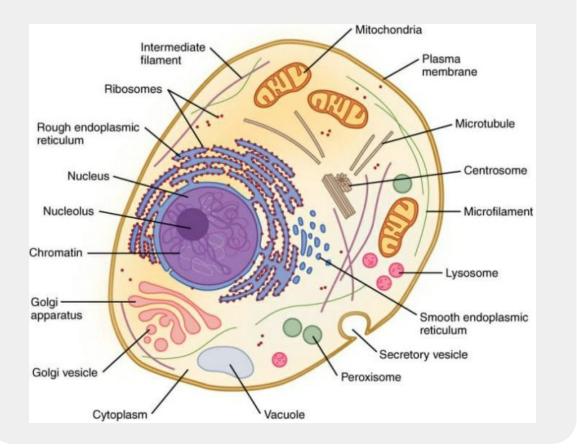
# **WORKSHOP PROJECT INDEX**



3D Coding based AR & VR Development Workshop

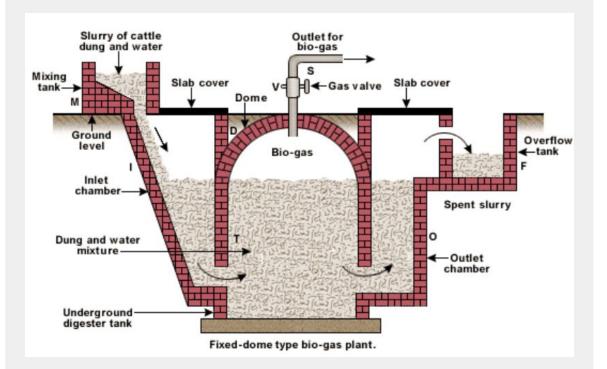
# P1: 3D Cell 3D

## P1M1: Design 3D Organelles of Cell



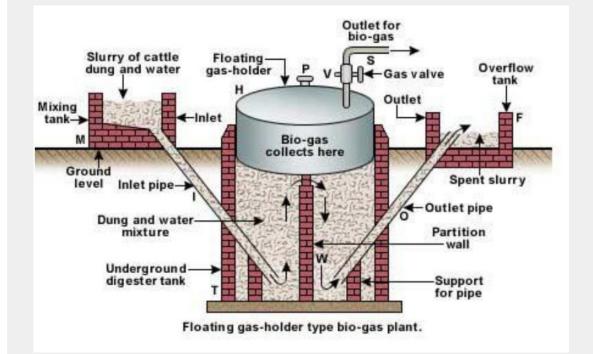
# P2: 3D Biogas Plant

### P2M1: 3D Fixed Dome Biogas Plant



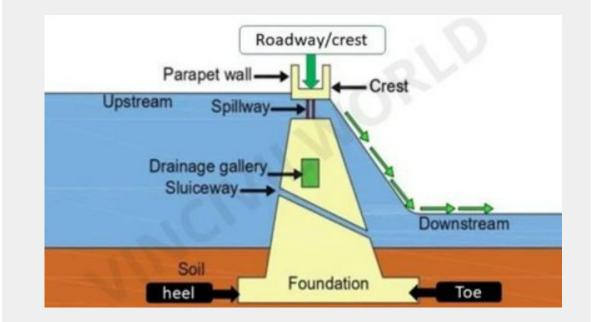
# P2: 3D Biogas Plant

### P2M2: Floating Dome Biogas Plant



# **P3: Dam Construction**

#### P3M1: 3D Structure of Dam



# P4: Types of Root

#### P4M1: Tap Root System



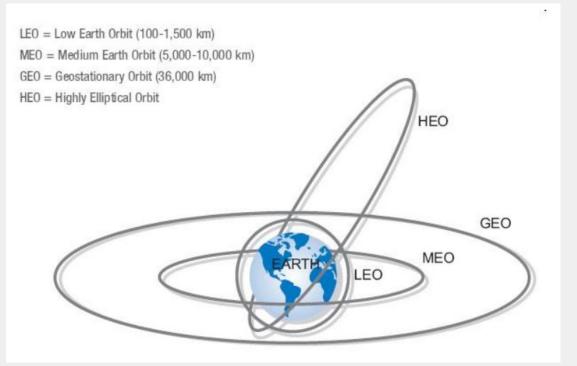
# P4: Types of Root

#### P4M2: Fibrous Root System



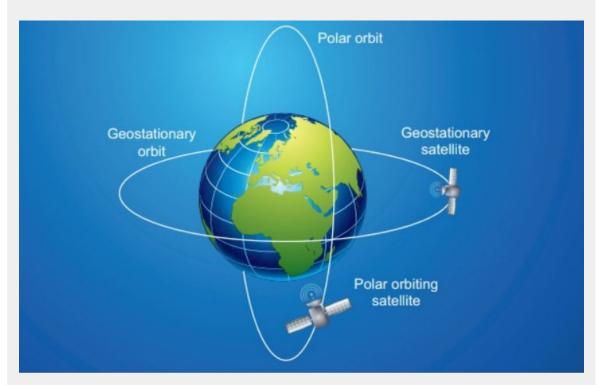
# **P5: Satellite & Eclipse**

#### P5M1: 3D Orbits of Satellite



# **P5: Satellite & Eclipse**

#### **P5M2: 3D Polar & Geostationary Orbits**

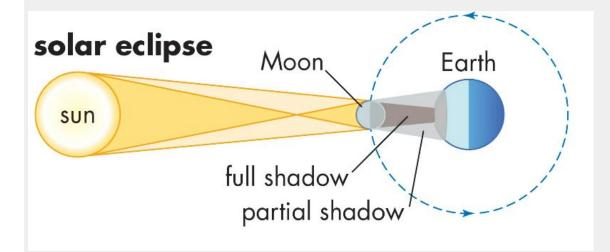


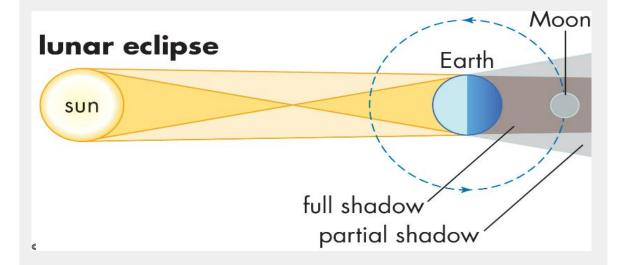
# P5: Satellite & Eclipse

P5M3: 3D Solar Eclipse

# **P5: Satellite & Eclipse**

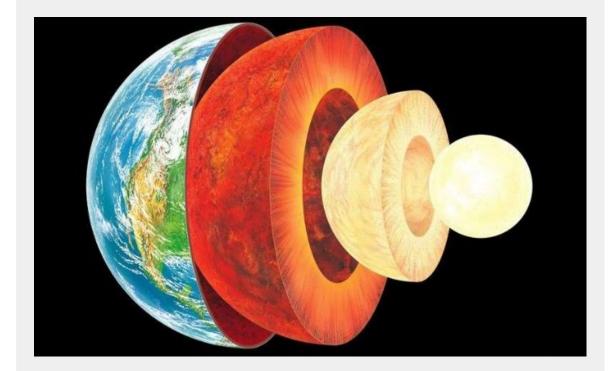
P5M4: 3D Lunar Eclipse





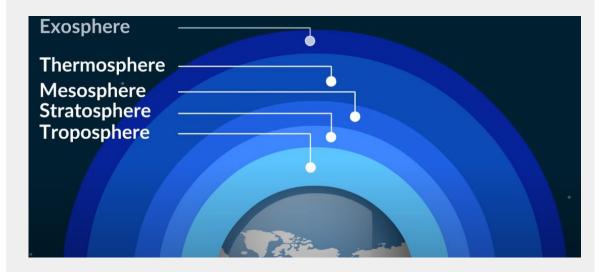
# P6: Atmosphere & Earth

### P6M1: 3D Layers of Earth



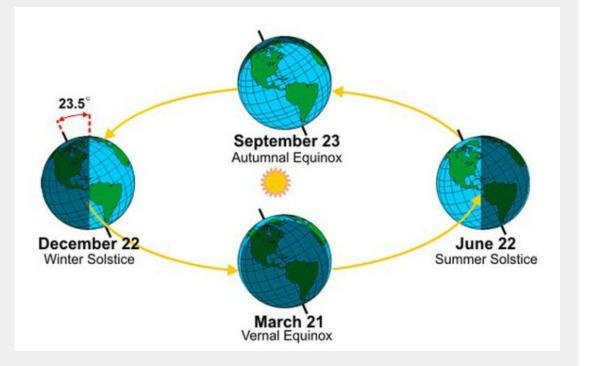
## P6: Atmosphere & Earth

#### P6M2: 3D Layers of Atmosphere



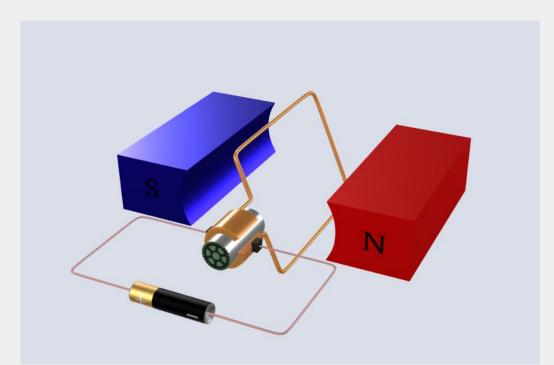
# P7: Season & Tilt of Earth

#### P7M1: 3D Tilt of Earth and Seasonality



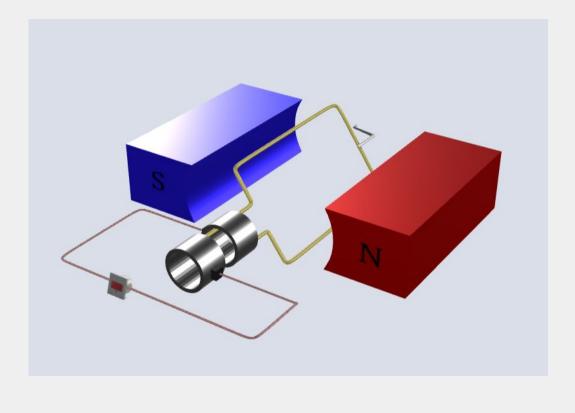
# **P8: Motor & Generator**

#### P8M1: 3D DC Motor/Generator



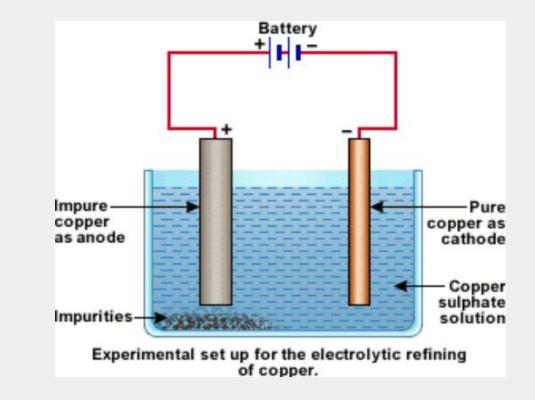
# **P8: Motor & Generator**

#### P8M2: 3D AC Generator



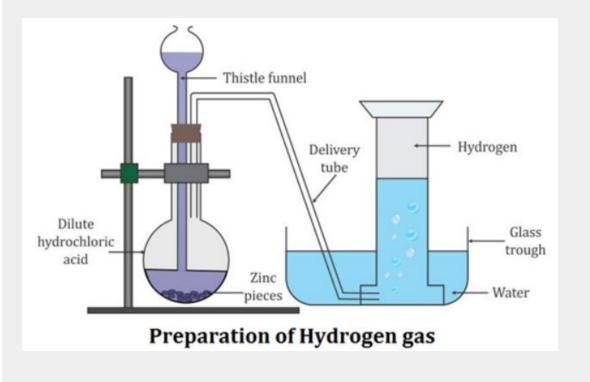
# **P9: Electrolysis Setup**

#### **P9M1: 3D Lab Setup for Electrolysis**



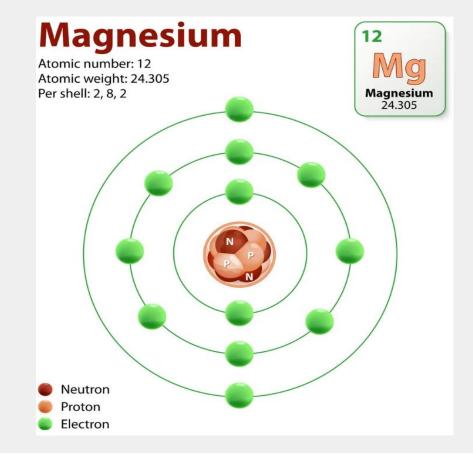
# **P10: Hydrogen Formation**

P10M1: 3D Lab Setup for Hydrogen Gas formation



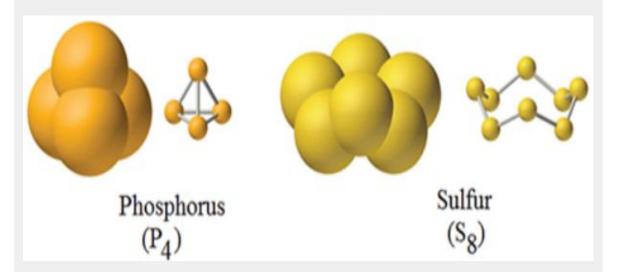
# P11: Atom & Atomicity

#### P11M1: 3D Magnesium Electronic configuration



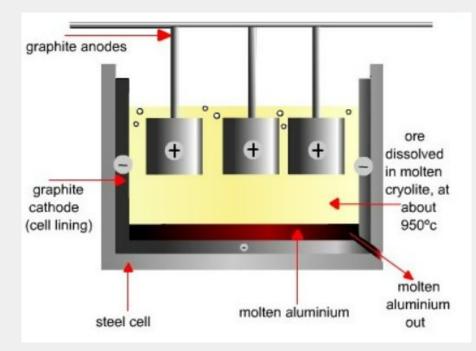
# P11: Atom & Atomicity

P11M2 & P11M3 : 3D Phosphorus (P4) & Sulfur (S8)



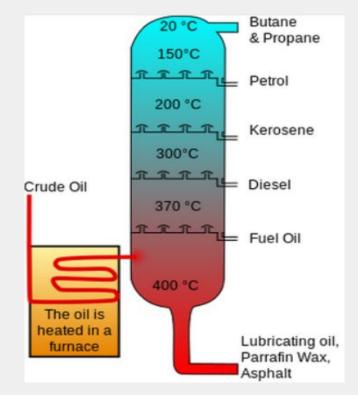
# P12: Aluminium Extraction & Fractional Distillation

#### P12M1: 3D Setup of Al Extraction



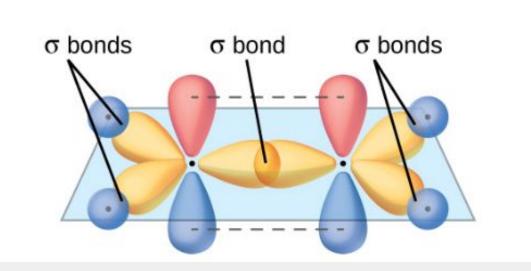
# P12: Aluminium Extraction & Fractional Distillation

#### P12M2: 3D Fraction Distillation



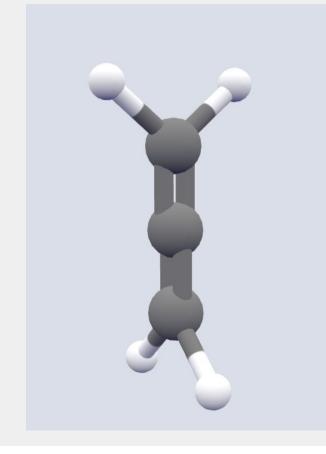
# Q1: 3D Covalent Bond

Q1M1: 3D Sigma & Pi Bond (C2H4)



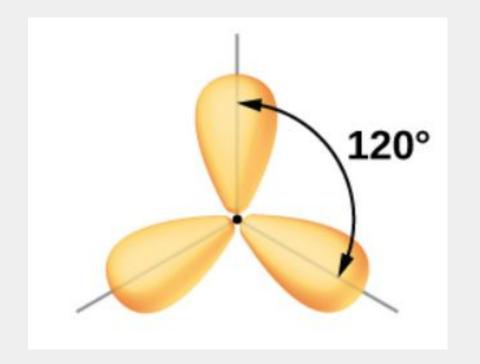
# Q1: 3D Covalent Bond

## Q1M2: 3D Stick and Ball Allene Molecule



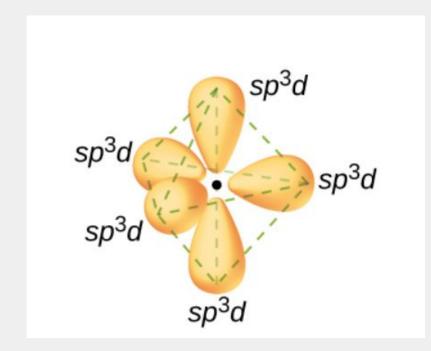
# **Q2: 3D Hybridisation**

Q2M1: 3D SP2 Orbital



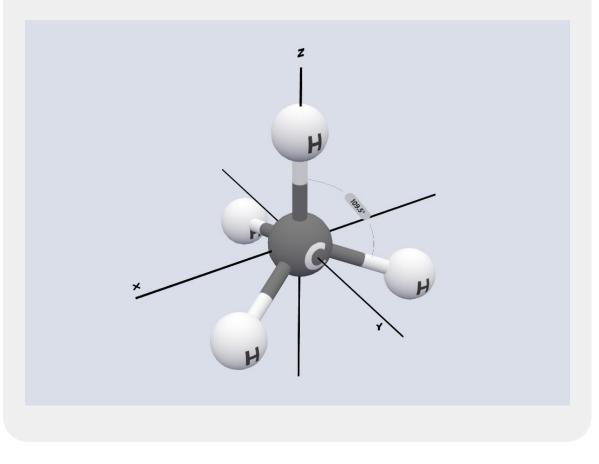
# **Q2: 3D Hybridisation**

Q2M2: 3D SP3D Orbital



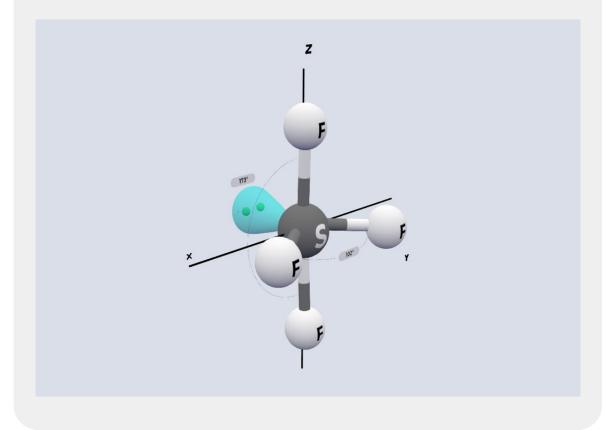
# **Q2: 3D Hybridisation**

Q2M3: 3D Methane (CH4)



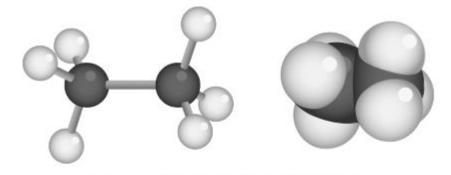
# **Q2: 3D Hybridisation**

## Q2M4: 3D Sulfur Tetrafluoride (SF4)

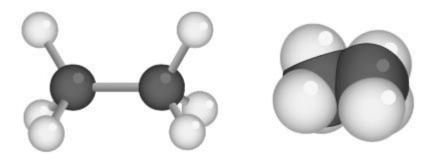


# **Q3: 3D Ethane Conformer**

Q3M1 & Q3M2: 3D Eclipsed & Staggered Ethane Conformer



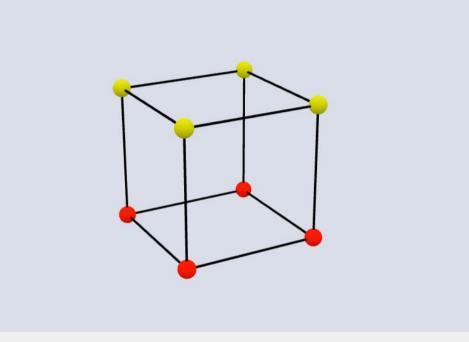
Ethane: Staggered conformation



Ethane: Eclipsed conformation

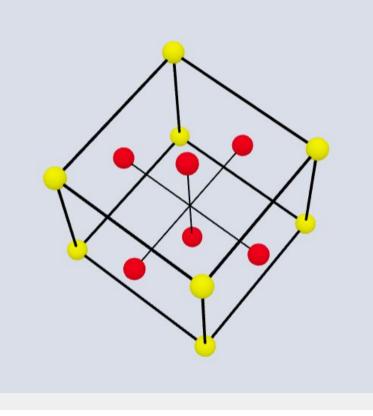
# Q4: 3D Solid State

Q4M1: 3D Primitive Cubic Unit Cell



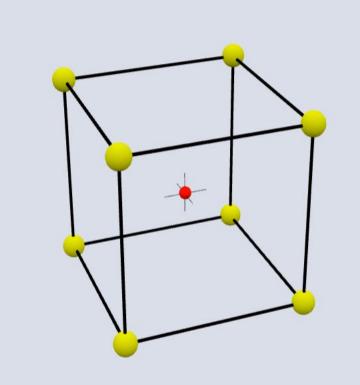
# Q4: 3D Solid State

#### Q4M2: 3D Face Centered Cubic Unit Cell



# Q4: 3D Solid State

#### Q4M3: 3D Body Centered Unit Cell



# Q5: 3D Magnet and Fields

Q5M1: 3D Magnet & Field of Lines

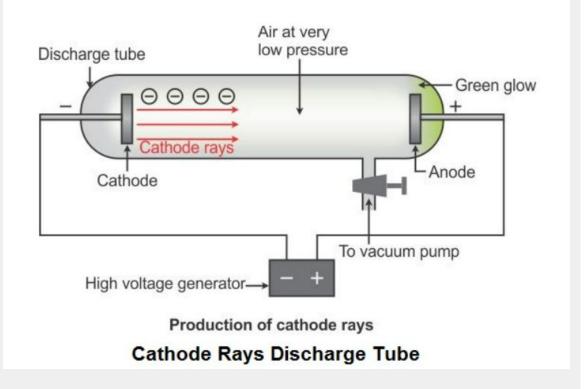
# Q5: 3D Magnet and Fields

#### Q5M2: 3D Solenoid & Field of Lines



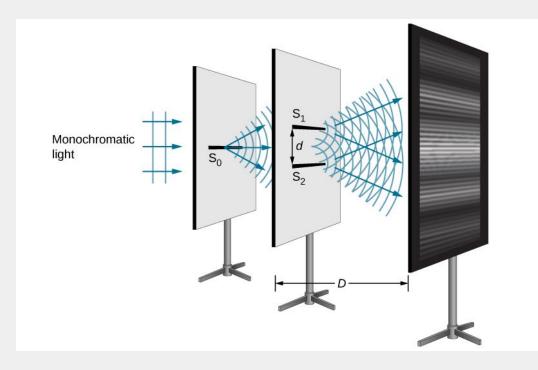
# Q6: 3D Cathode Ray Tube

## Q6M1: 3D Setup of Cathode Ray Tube



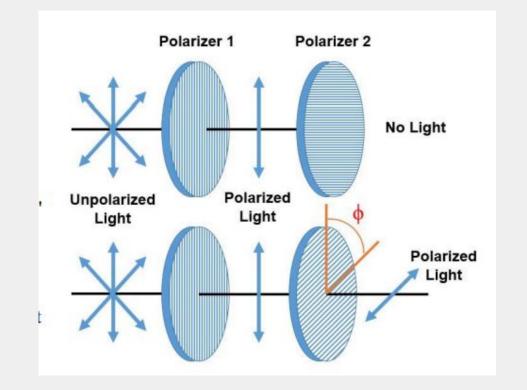
# Q7: 3D Double Slit Exp. & Light Polarisation

#### Q7M1: 3D Setup of Young's Double Experiment



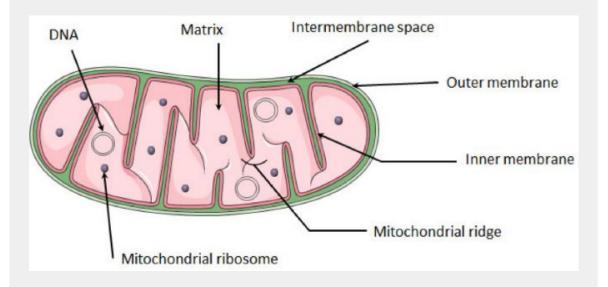
# Q7: 3D Double Slit Exp. & Light Polarisation

## Q7M2: 3D Polarisation of Light



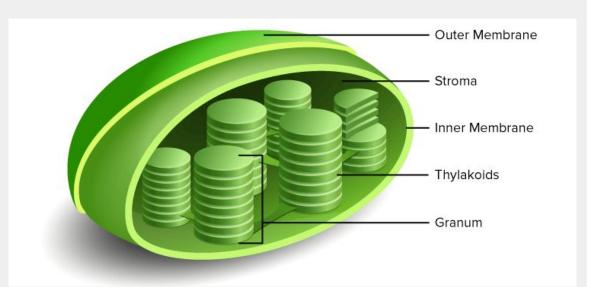
# Q8: 3D Mitochondria & Chloroplast

#### Q8M1: 3D Mitochondria Cross Section



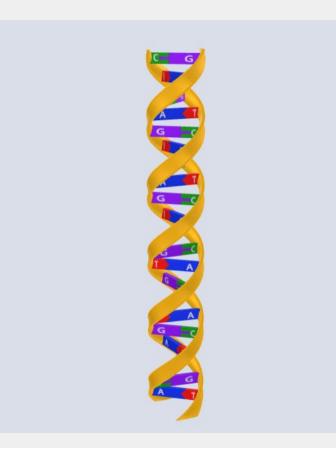
# Q8: 3D Mitochondria & Chloroplast

Q8M2: 3D Chloroplast Cross Section



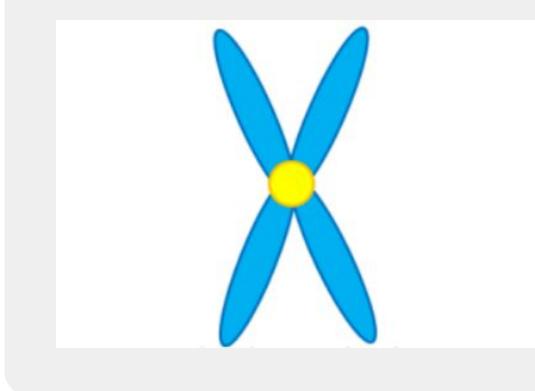
# Q9: 3D DNA & Chromosome

#### **Q9M1: 3D DNA Double Helix**



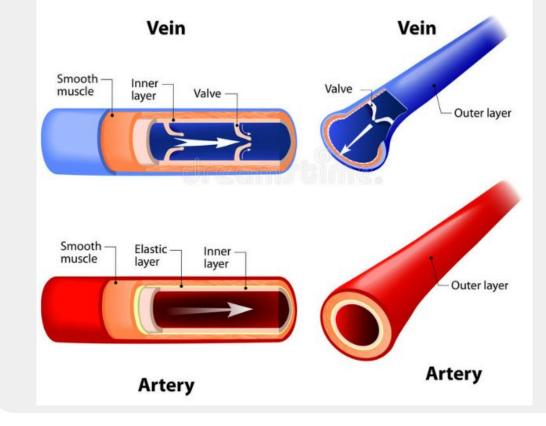
# Q9: 3D DNA & Chromosome

#### Q9M2: 3D Chromosome Structure



# Q10: 3D Blood Vessel & RBC

#### Q10M1 & Q10M2: 3D Artery & Vein Cross Section



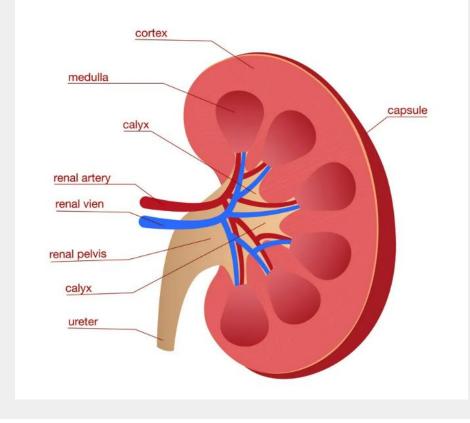
# Q10: 3D Blood Vessel & RBC

#### Q10M3: 3D Red Blood Cell



# Q11: 3D Kidney

#### Q11M1: 3D Kidney Cross Section



# Q12: 3D Flower Anatomy

#### Q12M1: 3D Flower and Its Parts

