COMPARISON BETWEEN DIFFERENT TYPES OF MUSCLES

TYPE OF MUSCLE	Skeletal	Cardiac	Smooth
STRUCTURE	striated, long, cylindrical and multinucleated	single nucleus, branching networks, striated	Not striated, tapered at the ends
FUNCTION	Movement of bones	Pumping blood	Peristaltic waves(food digestion)
VOLUNTARY INVOLUNTARY	Voluntary	Involuntary	Involuntary
LOCATION	Attached to bones	Wall of Heart	Hollow organs (esophagus), respirato (tract
PRESENCE OF PACEMAKER	No	Yes Yesale.	CD.
CALCIUM REGULATION	Ca2+ released into cytoplasm from r O sarcoplasm from P O sarcoplam	Ca2+eaturs cytoplasm from sarcoplasmic reticulum and extracellular	Ca2+ enters cytoplasm from sarcoplasmic reticulum and extracellular fluid and mitochondria
RESPIRATION	Aerobic/Anaerobic	Aerobic	Aerobic
CONTRACTION AND SPEED	Contracts and relaxes rapidly, slow to fast	Slow	Contracts and relaxes slowly