

BIOLOGY WORK FOR

S.6 22/5/2020

1. Where in the human body are hyaline cartilage and compact bone respectively found?
What are the chief mechanical properties of these two tissues?
2. What are the advantages and disadvantages of an exoskeleton?
3. How does the spinal column contribute to support and locomotion respectively?
4. Describe the relationship between a muscle, a muscle fibre, a myofibril and a myosin filament
5. Trace the pathway of dietary carbohydrate and the changes in it, from the point of digestion to its availability for muscle contraction
6. What are the respective roles in muscle contraction of Actin, myosin, ATP & calcium ions?
7. Explain why the forward and backward movements of a cilium result in unidirectional movement
8. Suggest a reason for the differences in size of the pectoralis muscles

End.