Name	rem
SKELETAL SYSTEM	
Activity 1: Identify the macroscopic anatomy	of a long bone:
Provide the parts of a long bone from Figure 2	2.1 of the lab manual:
A.	E.
B.	F.
C.	G.
D.	
Activity 2: Understanding the structures of mi	icroanatomy of the bone
1.	6.
2. 3.	7.
3.	8.
4.	9.
5.	
Activity 3: Identify the bones of the axial skele Provide the names of bones from Figure 2.4a	of the lab manual.
A.	C.
В	D,
Activity 4: Identify the bones of the appendicutivity Provide the names of the bones from Figure 2	
E.	M.
F. G.	N.
G.	0.
H.	P.
I.	Q.
J.	R.
K.	S.
L	T.

Activity 5: Identify the bones of the skull:

1.	6.
2.	7.
3.	8.
4.	9.
5.	10.

Activity 6: Identify the locations of the vertebrae in the spine:

Write the type of vertebrae labeled in Figure 2.6.

A.	D.
В.	E.
C.	

Activity 7: Identify the types of ribs:

Write the type of ribs labeled in Figure 2.7.

A.	
B.	
C.	

Activity 8: Identify the bones of the upper limb.

Label the bones of the upper limb in Figure 2.8

A.	E.
В.	F.
C.	G.
D.	H.

Activity 9: Identify the bones of the lower limb.

Label the bones of the upper limb in Figure 2.9

A.	E.
В.	F.
C.	G.
D.	Н.

Activity 10: Contraction of Glycerinated Muscle

Record the measurements of glycerinated muscle pre and post exposure to the three solutions.

Table 2.1 Glycerinated Muscle Contraction			
	Slide 1: ATP & Salt Solutions	Slide 2: ATP alone	Slide 3: Salt Solutions Alone
Initial length (mm)	mm	mm	mm
Final length (mm)	mm	mm	mm
Change in length (mm)	mm	mm	mm

	drawn from your observations of exposing muscle strands to the 3
different experimental con	ditions?
Why do the muscle strands	s remain contracted permanently after adding the ATP solutions?
The state of the s	s remained by the series of th
Wilnest in the male of the AT	ED VC1 and McC12 solutions in contraction of almost damaged 2
what is the role of the Al	TP, KCl, and MgCl2 solutions in contraction of glycerinated muscle?
Activity 11: Identify skeleto	al muscle locations.
Write the location of the sl	keletal muscle.
1.	8.
2.	9.
3.	10.
4.	11.
2. 3. 4. 5.	12.
	13.
7.	14.

Activity 12: Lab Review 1. What are the two types of bone tissue? 2. Which type of bone tissue contains red blood marrow? 3. Osteocytes are found in what structure of the osteon? 4. What bones are part of the axial skeleton? 5. How many bones make up the cranial bones of the skull? 6. What are the names of the wrist bones? 7. What joint movement occurs when a body limb is moved away from the midline of the body? 8. What is another term for a muscle cell/myocyte? 9. What myofilaments form the sarcomere? 10. Glycerinated muscle requires the addition of what solution to cause muscle contraction? 11. What muscle forms the chest muscle?

12. Name the muscle group that is antagonistic

to the quadriceps group.