Unit 2: Tissues

Lesson 1: *Muscle Tissue (Part 2)*

Activity 1 (20'): Observation muscle tissue

Step 1 (10'). Match the slide on the microscope with the following image. Each image represents one type of muscle tissue. There is one distractor.
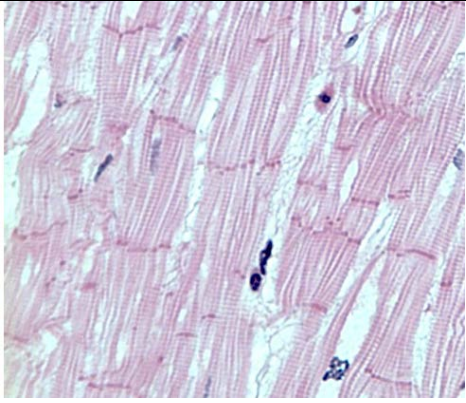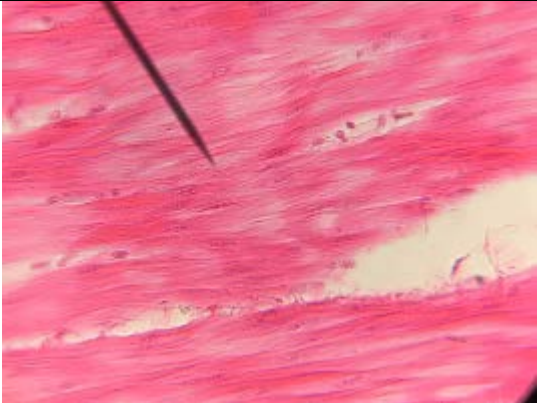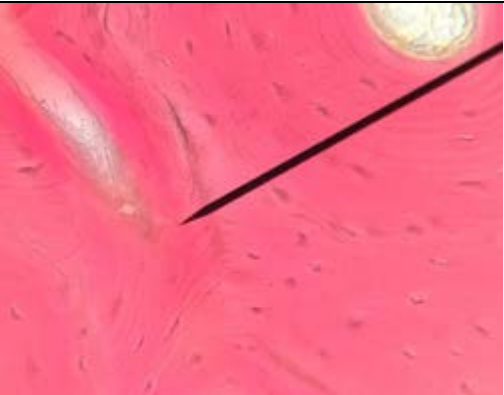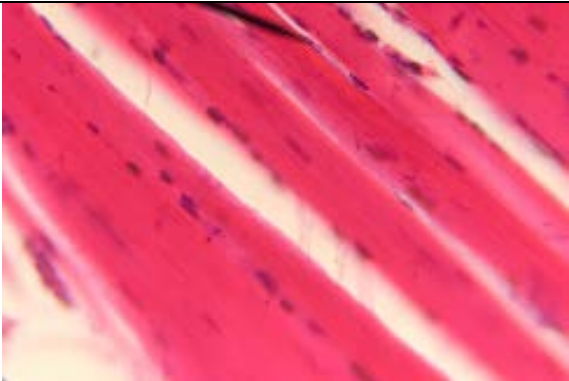
A.	B.
C.	D.

Photo A taken by "http://www.istologia.unige.it/page13/page2/. Photos B-C-D made by the author

Step 2 (10'). Identify the type of muscle tissue and justify your answer.

A: _____

_____

B: _____

_____

C: _____

_____

D:

Assessment

For each correct match between the image on the handout and the microscope slide 1 pt, max 4 pts

For each correct match between the image and the type of muscle 2pt, max 6pt, because there is one distractor

For each complete explanation 2 pt, max 6 pts, because there is one distractor

Tot points 16 pts

Points	**Grade**	**Points**	**Grade**	**Points**	**Grade**
16	10	15-14	9.5	13	9
12	8	11	7	10-9	6
8-7	5.5	6	5	5-0	4

Activity 2 (30'): Skeletal muscle

Step 1 (25'). Watch the following video twice with pauses
https://www.youtube.com/watch?v=f_tZne9ON7c and then draw the organization of skeletal muscle
(muscle bundle, fascicle, muscle fiber, myofibril, sarcomere)

Step 2 (5'). In pairs, write true (T) or false (F). Correct the false statement(s)

1. Myofibril is the muscle cell
2. Epimysium is an epithelial tissue that surrounds all the muscle
3. Sarcomere is the basic contractile unit of skeletal muscle
4. Actin is the thick filament
5. The Z line represents the thick filament
6. When muscle moves sarcomeres contract