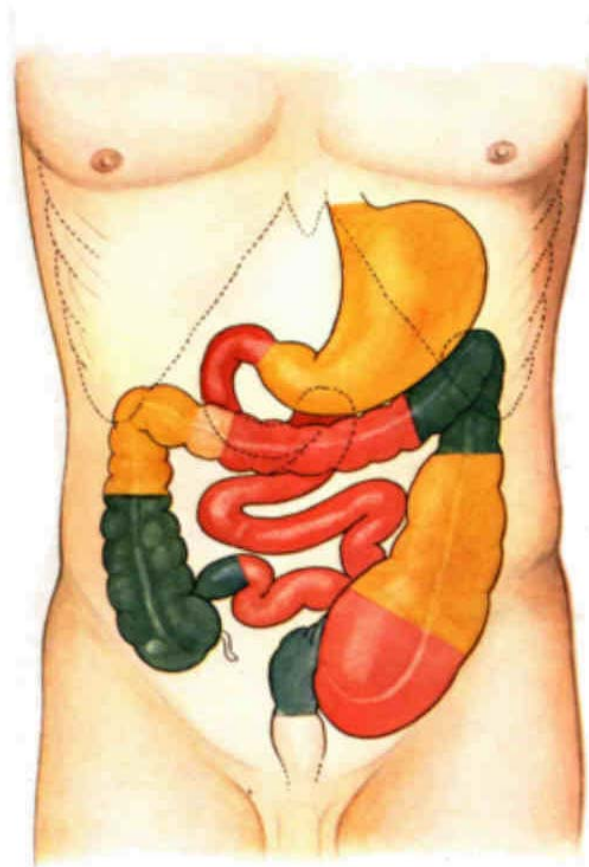




ንፈተነ ዝተዳለወ ናይ ተግሃራይ ናይ ዕዮ መጽሓፍ

# ዑደት ህወታውያን፣ አካላት ሰብ

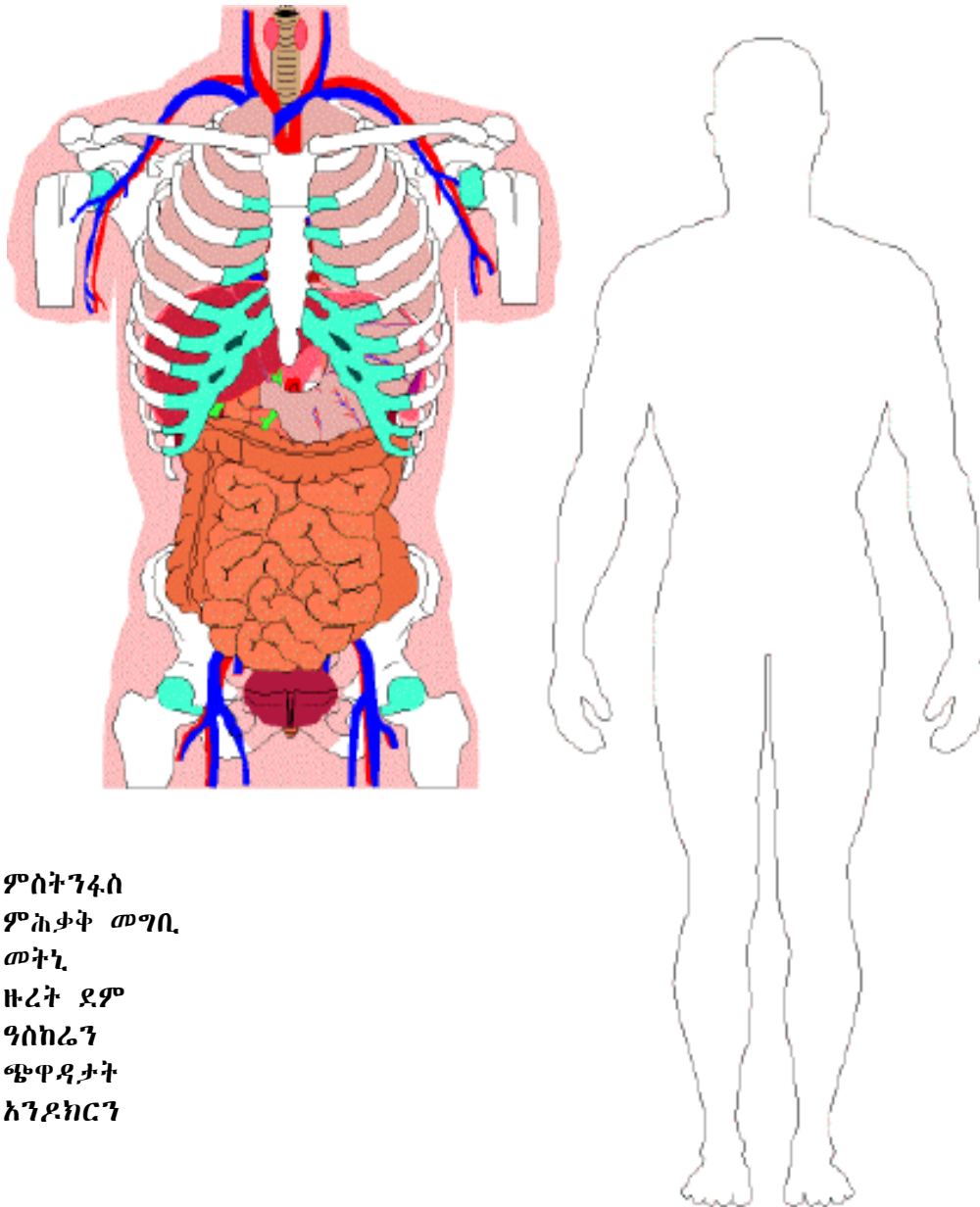
ሓመ-ሻይ ክፍሊ



ስም .....

**ዑደት ህወታውያን፣ አካላት ሰብ**

አብዚ ዝሰዕብ ሰኣሊ ኣብ ታሕቲ ተዘርዚሮም ዘለው ስርዓታት ኣበጾ ክባቢ ክምዘርከቡ ኣመልክት።



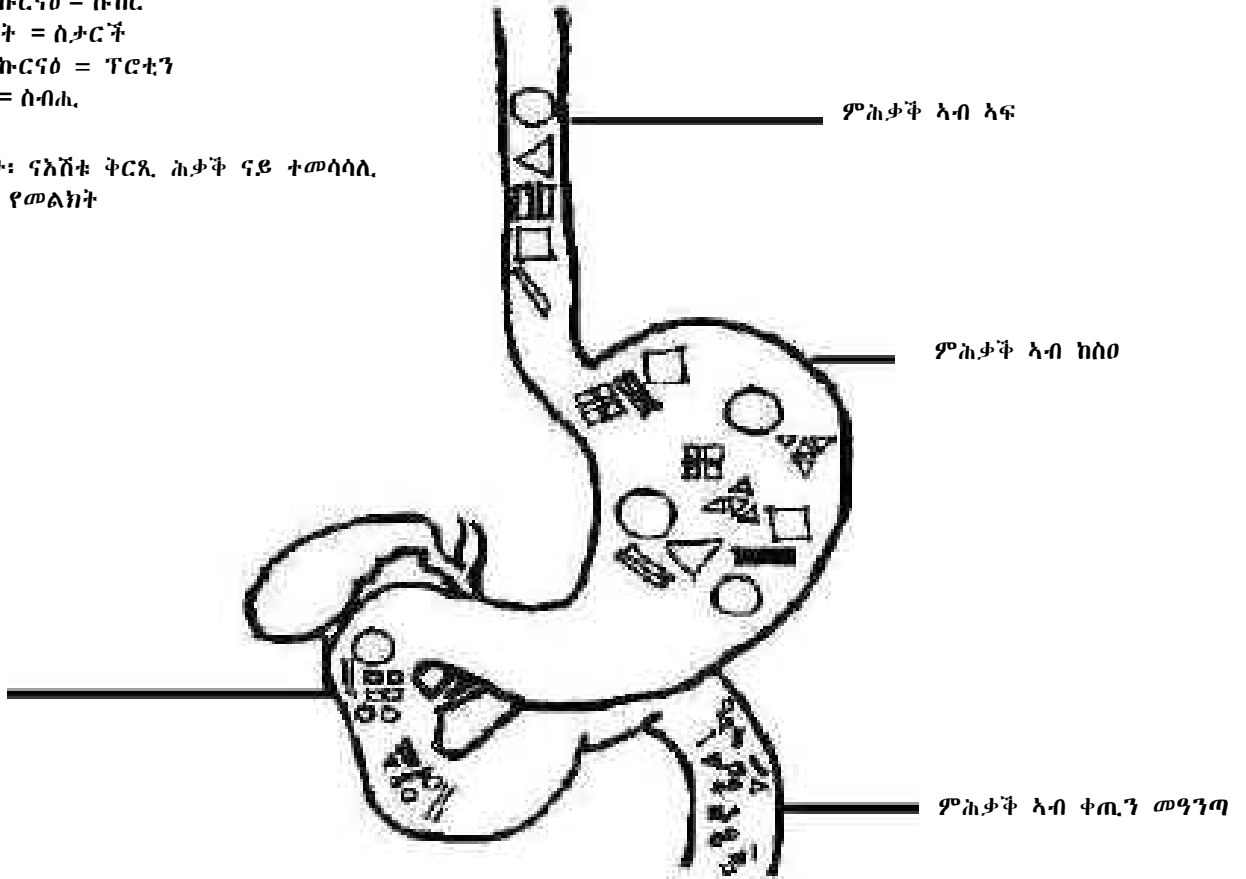
- ስርዓት ምስትንፋስ
- ስርዓት ምሕቓቕ መግቢ
- ስርዓት መትኒ
- ስርዓት ዙረት ደም
- ስርዓት ዓስከሬን
- ስርዓት ጭዋዳታት
- ስርዓት አንጾክርን



**ዑደት ህወታዎያን፣ አካላት ሰብ**

ሰሉስ ኩርናዕ = ሹከር  
 ትርብዕት = ስታርች  
 ርቡዕ ኩርናዕ = ፕሮቲን  
 ከቢብ = ሰብሐ.

ሓበሬታ፡ ናእሽቱ ቅርጺ ሕቃቅ ናይ ተመሳሳሊ መግቢ የመልክት



**እንታይ ከምዘፍጸም ዘሎ ግለጽ.**

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**ዑደት ህወታዎያን፣ አካላት ሰብ**

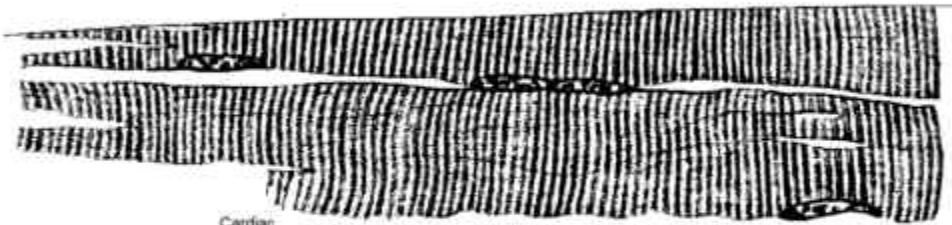
**ዓይነት ጥዋዳታት**

ነዞም ዝሰዕቡ ምእኩዞትን ዘይምእኩዞት ጭዋዳታት ተዓዘብ። ብድሕርኡ ዝተፈላለዩ ሕብረ ለኽካ ነዚ ዝሰዕብ ሰንጠረዥ ምላእ።

	ዓስከሬን (skeletal muscle)	ጭዋዳ (smooth muscle)	ዳ ልቢ (cardiac muscle)
ቕርጺ ዋህዮ			
አቀማምጣ ንኩለስ (nucleus)			
ዝርገሐ ኣብ አካላትና			
ምእኩዞ/ ዘይምእኩዞ			



Smooth



Cardiac



Skeletal

**ዑደት ህወታዑያን፣ አካላት ሰብ**

**PROBLEM:** Can voluntary muscles "learn" to react faster?

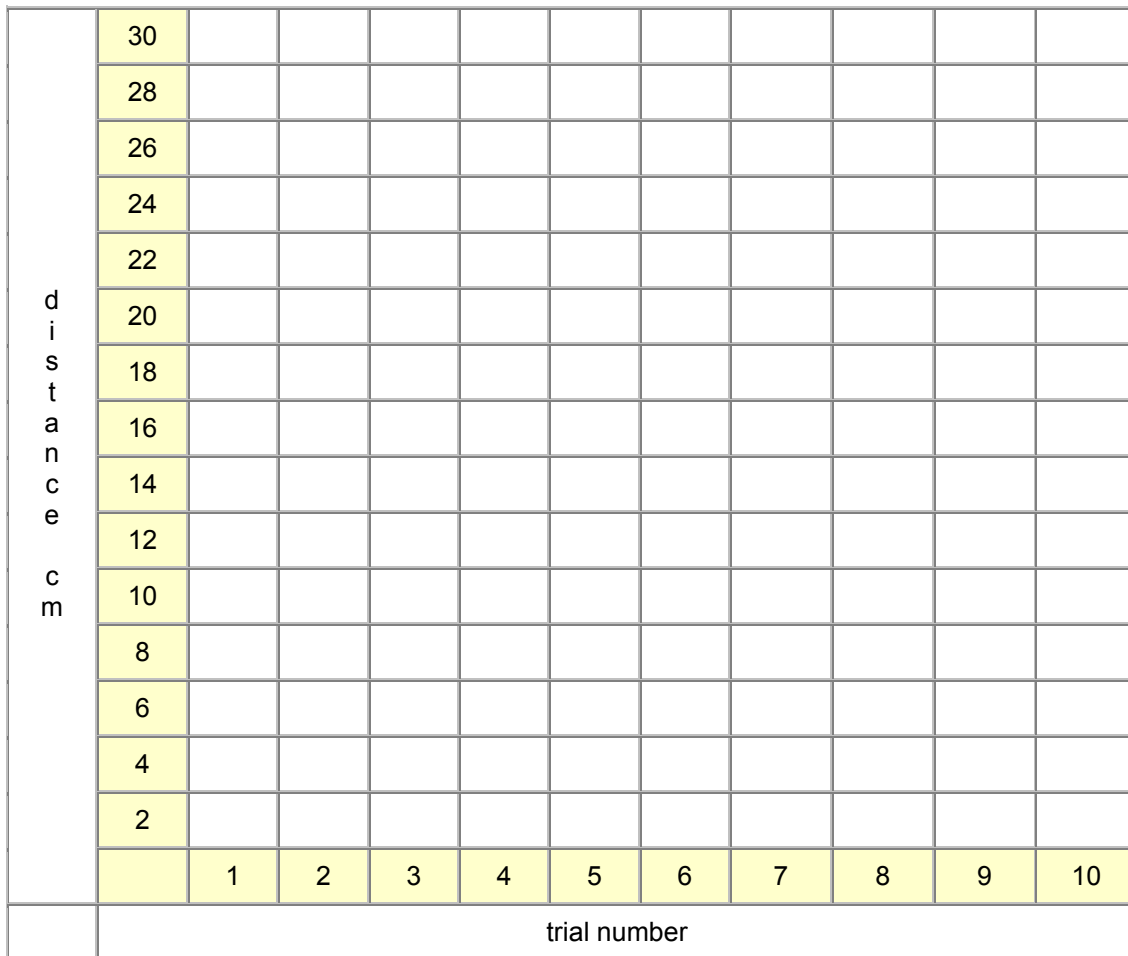
**PREDICTION:**

**MATERIALS:** metersticks

**PROCEDURE:** One student will hold a meterstick vertically at shoulder height while another student attempts to catch it when it is released. Measure the distance that the meterstick dropped. (This is the distance between the holding and the catching hand). Do this 10 times, recording your reflex distance. Then, reverse the position with your partner.

trial number	1	2	3	4	5	6	7	8	9	10
your reflex distance										
partner's reflex distance										

Graph your reflex distance compared to your partner's



**CONCLUSION:** What happened with each successive trial?

