## Chapter 1: Laboratory Experiences What Is Biomechanics?

AME:	
ATE:	<del></del>
which	ing in a group of 3–5 students, choose three human movements or motor skills with you are all familiar. (A vertical jump is an example.) For each movement, list at league general questions and three specific questions that an analyst might choose to answer
Move	ment/Skill 1
Gener	ral Questions
1.	
2.	
3.	
Specif	fic Questions
1.	
2.	
3.	
M	
Niove	ment/Skill 2
Gener	ral Questions
1.	
2.	
3.	
	fic Questions
1.	
2.	
3.	

2.

Movement/Skill 3	
General Questions	
1.	
2.	
3.	
Specific Questions	
1.	
2.	
3.	
mportance and which are more a matter of Movement Differences	Important? (Y/N)
1viovement Differences	Important: (1/11)
	<u>'</u>
Movement Similarities	
	Important? (Y/N)

3. Working in a group of 3–5 students, view a previously taken video or film of a human movement or motor skill performance. After viewing the movement several times, list at least three general questions and three specific questions that an analyst might choose to

4.

5.

answer regarding the movement.

<b>General Questions</b>
1.
2.
3.
Specific Questions
1.
2.
3.
Having completed Laboratory Experiences 1–3, discuss in your group the relative advantages and disadvantages of each of the three exercises in terms of your ability to formulate meaningful questions.
Have one member of your group perform several trials of walking as the group observes from front, side, and rear views. The subject may walk either on a treadmill or across the floor. What observations can be made about the subject's gait from each view that are not visible or apparent from the other views?
Front View Observations
Side View Observations
Rear View Observations