



**"RED DE DISEÑO Y DESARROLLO" 6<sup>TH</sup> GRADE**  
**LIVE WORKSHEET – SESSION 1**

**CLASS:** \_\_\_\_\_

**STUDENT 1:** \_\_\_\_\_

**STUDENT 2:** \_\_\_\_\_

**STUDENT 3:** \_\_\_\_\_

**GOAL:** To explore some ideas about cell culture and write an initial question about tissue engineering.

**1. SCHEDULE** Complete the schedule of Metacognition 1 (Brightspace) with the goal of the activity and the actions to achieve it during the first term.

**2. CELL CULTURE**

Open the [Virtual Lab \(click here\)](#) where you will learn more about cell culture and answer the following questions:

**Warning notes!**

1. Complete your answers with these other two sources of information:

Source 1:

Source 2:

2. Don't forget to include the answers of all students of your group

**Why is it important to culture cells?**

STUDENT 1: \_\_\_\_\_

\_\_\_\_\_

STUDENT 2:

\_\_\_\_\_

\_\_\_\_\_

STUDENT 3:

\_\_\_\_\_

\_\_\_\_\_

**What type of cells can we culture?**

STUDENT 1: \_\_\_\_\_

\_\_\_\_\_

STUDENT 2:

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STUDENT 3:

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**What are the two basic systems for growing cells in culture?**

STUDENT 1: \_\_\_\_\_

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STUDENT 2:

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STUDENT 3:

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Why, when and how to passage cells grown in both adherent and suspension culture?

STUDENT 1: \_\_\_\_\_

\_\_\_\_\_

STUDENT 2:

\_\_\_\_\_

\_\_\_\_\_

STUDENT 3:

\_\_\_\_\_

\_\_\_\_\_

### 3. ABOUT MY TISSUE

Identify the characteristics of your tissue based on the information of this [source \(click here\)](#)

STUDENT 1: \_\_\_\_\_

\_\_\_\_\_

STUDENT 2:

\_\_\_\_\_

\_\_\_\_\_

STUDENT 3:

\_\_\_\_\_

\_\_\_\_\_

**4. RESEARCH QUESTIONS** Write an initial question to an expert on this field (make connections with your tissue):

INITIAL QUESTION	CONFERENCE NOTES	INDEPENDENT VARIABLE	DEPENDENT VARIABLE	NOT TOO BROAD / NOT TOO NARROW	CONNECTIONS WITH MY TISSUE
STUDENT 1 <hr/> <hr/> <hr/>					
STUDENT 2 <hr/> <hr/> <hr/>					
STUDENT 3 <hr/> <hr/> <hr/>					

