

3D Cell Cycle Modelling & GIF Assignment

Part A: Creating Models & Capturing Images

- Show a cell in **Interphase** using Play-Doh.
 - Add key terminology labels from note.
 - **Take photo**
- Move pieces a little, showing changes that take place as cell moves towards **prophase** but not in prophase yet.
 - **Take a photo**
- Move & add pieces to show **prophase**.
 - Add key terminology labels from note.
 - **Take photo**
- Move pieces a little, showing changes that take place as cell moves towards **metaphase** but not in metaphase yet.
 - **Take a photo**
- Move & add pieces to show **metaphase**.
 - Add key terminology labels from note.
 - **Take photo**
- Move pieces a little, showing changes that take place as cell moves towards **anaphase** but not in anaphase yet.
 - **Take a photo**
- Move & add pieces to show **anaphase**.
 - Add key terminology labels from note.
 - **Take photo**
- Move pieces a little, showing changes that take place as cell moves towards **telophase** but not in telophase yet.
 - **Take a photo**
- Move & add pieces to show **telophase**.
 - Add key terminology labels from note.
 - **Take photo**
- Move pieces a little, showing changes that take place as cell moves undergoes **cytokinesis**. This will be different depending on if you are showing a plant or animal cell.
 - **Take a photo**
- Move & add pieces to show **interphase**.
 - Add key terminology labels from note.
 - **Take photo**

Part B: Creating Animation

- Go to www.gifmaker.me OR www.ezgif.com
- Upload images
- Click Make/Create GIF
- Download / Save
- Submit file in Edsby.

Name: _____

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Criteria	Emerging/ Beginning	Developing	Proficient	Advanced
<p>Structure <i>Part A</i></p> <p>/12</p>	<p>Model accurately depicts few components of each stage: Interphase Prophase Metaphase Anaphase Telophase Cytokinesis</p> <p>All structures are minimally detailed.</p>	<p>Model accurately depicts some components of each stage: Interphase Prophase Metaphase Anaphase Telophase Cytokinesis</p> <p>All structures are fundamentally detailed.</p>	<p>Model accurately depicts most components of each stage: Interphase Prophase Metaphase Anaphase Telophase Cytokinesis</p> <p>All structures are adequately detailed.</p>	<p>Model accurately depicts key components of each stage: Interphase Prophase Metaphase Anaphase Telophase Cytokinesis</p> <p>All structures are thoroughly detailed.</p>
<p>Labels <i>Part A</i></p> <p>/12</p>	<p>Each stage has few or none of the key terms from note correctly labelled.</p>	<p>Each stage has some of the key terms from note correctly labelled.</p>	<p>Each stage has most of the key terms from note correctly labelled.</p>	<p>Each stage has all key terms from note correctly labelled.</p>
<p>GIF <i>Part B</i></p> <p>/6</p>	<p>GIF accurately shows transitions between few/no stages.</p>	<p>GIF accurately shows transitions between some stages.</p>	<p>GIF accurately shows transitions between most stages.</p>	<p>GIF accurately shows transitions between all stages.</p>