

Here is a simple guide to making a time lapse video recording of your pitch tar experiment.

Materials Needed:

1. **Camera or Smartphone:** Any device with a camera.
2. **Tripod or Stable Surface:** To keep the camera steady.
3. **Consistent Lighting:** To ensure clear images.
4. **Free Video Editing Software:** Such as iMovie (Mac/iOS) or Shotcut (Windows/Linux/Mac).

Setup Instructions:

1. **Position the Camera:**
 - Place your camera or smartphone on a tripod or a stable surface.
 - Ensure it has a clear, unobstructed view of the pitch tar drop setup.
2. **Lighting:**
 - Use consistent lighting to avoid shadows and changes in light. LED lights are a good option for steady brightness.
3. **Camera Settings:**
 - Set your camera to manual mode to keep the settings consistent.
 - Choose a small aperture (high f-stop number) for a greater depth of field.
 - Set a low ISO to reduce noise.
 - Use a medium shutter speed to avoid motion blur.

Taking the Photos:

1. **Daily Photos:**
 - Take a photo at the same time every day to maintain consistency.
 - Ensure the camera position and lighting remain the same each day.
2. **Monitor the Setup:**
 - Periodically check the setup to ensure everything is running smoothly. Make sure the lighting remains consistent and the camera is still in position.

Creating the Timelapse Video:

1. **Transfer Photos:**
 - Transfer all the photos to your computer.
2. **Import Photos into Video Editing Software:**
 - **Open the Software:** Launch your chosen video editing software (e.g., iMovie or Shotcut).
 - **Create a New Project:** Start a new project and name it appropriately.

- **Import Photos:**
 - In iMovie: Click on the "Import Media" button, navigate to the folder where your photos are stored, select all the photos, and click "Import Selected."
 - In Shotcut: Click on "Open File," navigate to your photo folder, select all the photos, and click "Open."
 - **Arrange Photos:**
 - Drag and drop the imported photos onto the timeline in chronological order.
 - Ensure the photos are placed sequentially to create a smooth timelapse.
3. **Set Frame Rate:**
- Adjust the frame rate to determine how fast the timelapse will play. A common choice is 24 or 30 frames per second.
 - In iMovie: Click on "Settings" above the timeline and adjust the frame rate.
 - In Shotcut: Go to "Settings" > "Video Mode" and select the desired frame rate.
4. **Edit and Export:**
- **Edit:** Make any necessary adjustments, such as cropping, adding transitions, or inserting titles.
 - **Add Music:** If desired, add background music to enhance the timelapse.
 - **Export:**
 - In iMovie: Click on the "Share" button, select "File," choose your export settings, and click "Next" to save the video.
 - In Shotcut: Click on "Export," choose your export settings, and click "Export File" to save the video.

Tips:

- **Backup** your photos regularly to avoid data loss.
- **Label** your files and folders clearly to keep everything organized.
- **Test** your setup for a few days to ensure everything works as expected.

This should help you create a smooth and clear timelapse of your pitch tar drop experiment. Best of luck with it!