

# 1 Comprehensive Marker Test Suite

This document tests the progressive-outline function with a focus on **Markers**, **Opacity**, and **Numbering**.

## 1.1 Test Case 1: Opacity Inheritance (The “Smart Fade”)

**Objective:** The marker should fade together with the text when using the float shortcut.

Expected: Active=Red+Star, Inactive=Faint Red (0.2)+Star

★ Comprehensive Marker Test Suite

★ Part I: Physics (Active in middle)

★ Part II: Biology

★ Part III: Chemistry

## 1.2 Test Case 2: Complex Numbering + Dictionary Marker

**Objective:** Verify order [Marker] [Number] [Title] and state-specific icons.

Expected: Checkmark for past, Arrow for current, Circle for future. Numbering I.1.

- ➡ **I. Comprehensive Marker Test Suite**
  - ✓ I.1. Test Case 1: Opacity Inheritance (The “Smart Fade”)
- ➡ **I.2. Test Case 2: Complex Numbering + Dictionary Marker**
  - I.3. Test Case 3: Alignment & Width
  - I.4. Test Case 4: Advanced Logic (Function)
  - **II. Part I: Physics (Active in middle)**
    - II.1. Classical Mechanics
    - II.2. Quantum Mechanics
  - **III. Part II: Biology**
    - III.1. Cell Structure
    - III.2. Genetics
  - **IV. Part III: Chemistry**
    - IV.1. Organic
    - IV.2. Inorganic

## 1.3 Test Case 3: Alignment & Width

**Objective:** Align titles perfectly despite different marker widths.

Expected: Titles aligned vertically. 'Wide' marker takes space.

**Wide** Comprehensive Marker Test Suite  
**S** Part I: Physics (Active in middle)  
**S** Part II: Biology  
**S** Part III: Chemistry

## 1.4 Test Case 4: Advanced Logic (Function)

**Objective:** Different markers for Level 1 vs Level 2.

**Expected:** Level 1 = Square, Level 2 = Bullet

### ■ Comprehensive Marker Test Suite

- Test Case 1: Opacity Inheritance (The “Smart Fade”)
- Test Case 2: Complex Numbering + Dictionary Marker
- Test Case 3: Alignment & Width
- **Test Case 4: Advanced Logic (Function)**

### ■ Part I: Physics (Active in middle)

- Classical Mechanics
- Quantum Mechanics

### ■ Part II: Biology

- Cell Structure
- Genetics

### ■ Part III: Chemistry

- Organic
- Inorganic

## 2 Part I: Physics (Active in middle)

### 2.1 Classical Mechanics

### 2.2 Quantum Mechanics

– **MIDDLE OF DOCUMENT SIMULATION** – Here is an outline rendered “in the middle” (after Physics, before Biology). Physics should be **Completed**. Biology should be **Active** (if we are strictly sequential) or **Inactive**. Let’s look at the behavior relative to the current position.

#### Middle Simulation

##### ✓ Comprehensive Marker Test Suite

- ✓ Test Case 1: Opacity Inheritance (The “Smart Fade”)
- ✓ Test Case 2: Complex Numbering + Dictionary Marker
- ✓ Test Case 3: Alignment & Width
- ✓ Test Case 4: Advanced Logic (Function)

##### → Part I: Physics (Active in middle)

- ✓ Classical Mechanics

##### → Quantum Mechanics

##### o Part II: Biology

- o Cell Structure
- o Genetics

##### o Part III: Chemistry

- o Organic
- o Inorganic

### **3 Part II: Biology**

#### **3.1 Cell Structure**

#### **3.2 Genetics**

### **4 Part III: Chemistry**

#### **4.1 Organic**

#### **4.2 Inorganic**