

# 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
- Part II: Biology
  - Cell Structure
  - Genetics
- Part III: Chemistry
  - Organic
  - Inorganic

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

3.1 Cell Structure

3.2 Genetics

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

4.1 Organic

4.2 Inorganic