# 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