

## **Edible Examples**

### **1. No Odor + Bruises + White Cap Color:**

- Odor: "n" (None)
- Bruises: "t" (Yes)
- Gill Color: Any
- Cap Shape: Any
- Cap Surface: Any
- Cap Color: "w" (White)

### **2. No Odor + Buff Gill Color:**

- Odor: "n" (None)
- Bruises: Any
- Gill Color: "b" (Buff)
- Cap Shape: Any
- Cap Surface: Any
- Cap Color: Any

### **3. Almond Odor + Pink Gill Color:**

- Odor: "a" (Almond)
- Bruises: Any
- Gill Color: "p" (Pink)
- Cap Shape: Any
- Cap Surface: Any
- Cap Color: Any

### **4. No Odor + Smooth Cap Surface + Convex Cap Shape:**

- Odor: "n" (None)
- Bruises: Any
- Gill Color: Any
- Cap Shape: "x" (Convex)
- Cap Surface: "s" (Smooth)
- Cap Color: Any

### **5. No Odor + Purple Gill Color:**

- Odor: "n" (None)
- Bruises: Any
- Gill Color: "u" (Purple)
- Cap Shape: Any
- Cap Surface: Any
- Cap Color: Any

### **Example Edible Combination**

- **Odor:** Almond ("a")
- **Bruises:** Yes ("t")
- **Gill Color:** Pink ("p")
- **Cap Shape:** Convex ("x")
- **Cap Surface:** Smooth ("s")
- **Cap Color:** White ("w")

### **Edible Combinations with Odor ≠ None**

#### **1. Almond Odor + Certain Gill Colors:**

- Odor: "a" (Almond)
- Gill Color: "b" (Buff), "p" (Pink), or "u" (Purple)
- Example:
  - Odor: Almond
  - Bruises: Yes or No
  - Gill Color: Buff
  - Cap Shape: Any
  - Cap Surface: Any
  - Cap Color: Any

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### **Poisonous Examples**

#### **1. Foul Odor (Regardless of Other Parameters):**

- Odor: "f" (Foul)

- Bruises: Any
- Gill Color: Any
- Cap Shape: Any
- Cap Surface: Any
- Cap Color: Any

**2. No Odor + No Bruises + Bell Cap Shape + Scaly Cap Surface:**

- Odor: "n" (None)
- Bruises: "f" (No)
- Gill Color: Any
- Cap Shape: "b" (Bell)
- Cap Surface: "y" (Scaly)
- Cap Color: Any

**3. No Odor + No Bruises + Conical Cap Shape + Fibrous Cap Surface:**

- Odor: "n" (None)
- Bruises: "f" (No)
- Gill Color: Any
- Cap Shape: "c" (Conical)
- Cap Surface: "f" (Fibrous)
- Cap Color: Any

**4. No Odor + Green Gill Color:**

- Odor: "n" (None)
- Bruises: Any
- Gill Color: "r" (Green)
- Cap Shape: Any
- Cap Surface: Any
- Cap Color: Any

**5. No Odor + Brown Cap Color:**

- Odor: "n" (None)
- Bruises: Any
- Gill Color: Any

- Cap Shape: Any
- Cap Surface: Any
- Cap Color: "n" (Brown)

### **Example Poisonous Combination**

- **Odor:** None ("n")
- **Bruises:** No ("f")
- **Gill Color:** Green ("r")
- **Cap Shape:** Conical ("c")
- **Cap Surface:** Fibrous ("f")
- **Cap Color:** Brown ("n")

### **Poisonous Combinations with Odor = None**

#### **1. No Odor + No Bruises + Specific Cap Shape + Specific Cap Surface:**

- Odor: "n" (None)
- Bruises: "f" (No)
- Cap Shape: "b" (Bell) or "c" (Conical)
- Cap Surface: "y" (Scaly) or "f" (Fibrous)
- Example:
  - Odor: None
  - Bruises: No
  - Gill Color: Any
  - Cap Shape: Bell
  - Cap Surface: Scaly
  - Cap Color: Any

#### **2. No Odor + Other Unfavorable Combinations:**

- If the mushroom does not meet any of the **edible** conditions (e.g., no bruises, wrong gill color, wrong cap shape, or wrong cap surface), it should default to **poisonous**.
- Example:
  - Odor: None
  - Bruises: No
  - Gill Color: Green ("r")
  - Cap Shape: Conical ("c")

- Cap Surface: Fibrous ("f")
- Cap Color: Brown ("n")