

## Single-Step Image Generation

*[input text]*

### Plum Chutney

**Description:** One of fall's most bountiful fruits...

**Ingredients:** 1 piece fresh ginger...

**Steps:** 1. Gather the ingredients.

...

*[prompt]*

Generate an image for the step:

*Start by thinly slicing...*



*[step image]*



## Step-by-Step Image Generation

*[input text and image]*

### Plum Chutney

**Description:** One of fall's most bountiful fruits...

**Ingredients:** 1 piece fresh ginger...

**Steps:** 1. Gather the ingredients.

<Image 1>

2. Start by thinly slicing the peeled ginger...

*[prompt]*

Generate an image for this step.

## Explicit State Modeling

**For single-step image generation:**

*[input text]*

### Plum Chutney

**Description:** One of fall's most bountiful fruits...

**Ingredients:** 1 piece fresh ginger...

**Steps:** 1. Gather the ingredients.

...

*[prompt]*

For the step *Start by thinly slicing...*

generate an image caption and an image



*[caption]*

A cutting board with  
chopped garlic and a knife.

*[step image]*



**For single-step image generation:**

*[input text and image]*

### Plum Chutney

**Description:** One of fall's most bountiful fruits...

**Ingredients:** 1 piece fresh ginger...

**Steps:** 1. Gather the ingredients.

<Image 1>

2. Start by thinly slicing the peeled ginger...

*[prompt]*

Generate an image caption and image for this step.