**Osmotic pressure**

**Transmission**

1. Hypothalamus is stimulated to secrete ADH
2. ADH travels via nerves to the posterior pituitary
3. Posterior pituitary releases ADH
4. ADH travels through blood

**Response**

Increase permeability of DCT and CD to water. Therefore, increased water reabsorption back into the blood

**Feedback**

Decreases osmotic pressure

**Effector**

Distal convoluted tubules & collecting ducts of the nephron

**Modulator**

Hypothalamus/thirst centre

**Receptor**

Osmoreceptors in the hypothalamus

**Stimulus**

Increased osmotic pressure