

STIMULUS:
Water conc of
blood plasma
decreases, osmotic
pressure increased,
mouth dry.

RECEPTOR:
osmoreceptors
in hypothalamus.

MODULATOR:
- Thirst centre in
hypothalamus
stimulated (person
feels thirsty)

THIRST
REFLEX

EFFECTOR: ←
Muscles required
for person to
drink water

RESPONSE:
Water absorbed
into blood from
alimentary canal

FEEDBACK
Water conc. ↑
osmotic pressure ↓