8. Pituitary gland

1.Stomach to divert blood to the muscles to increase strength

4. detected by sensors (eye)

11. Pupils dilate for increased vision

2. Lungs to increase breathing rate for more oxygen

5. Threat

10. Passed to

6. Adrenaline released

3. Detected by cells in the adrenal glands (adrenal medulla)

9. Releases adrenocorticotrophic hormone (ACTH)

7. Heart rate increases to pump blood to vital organs