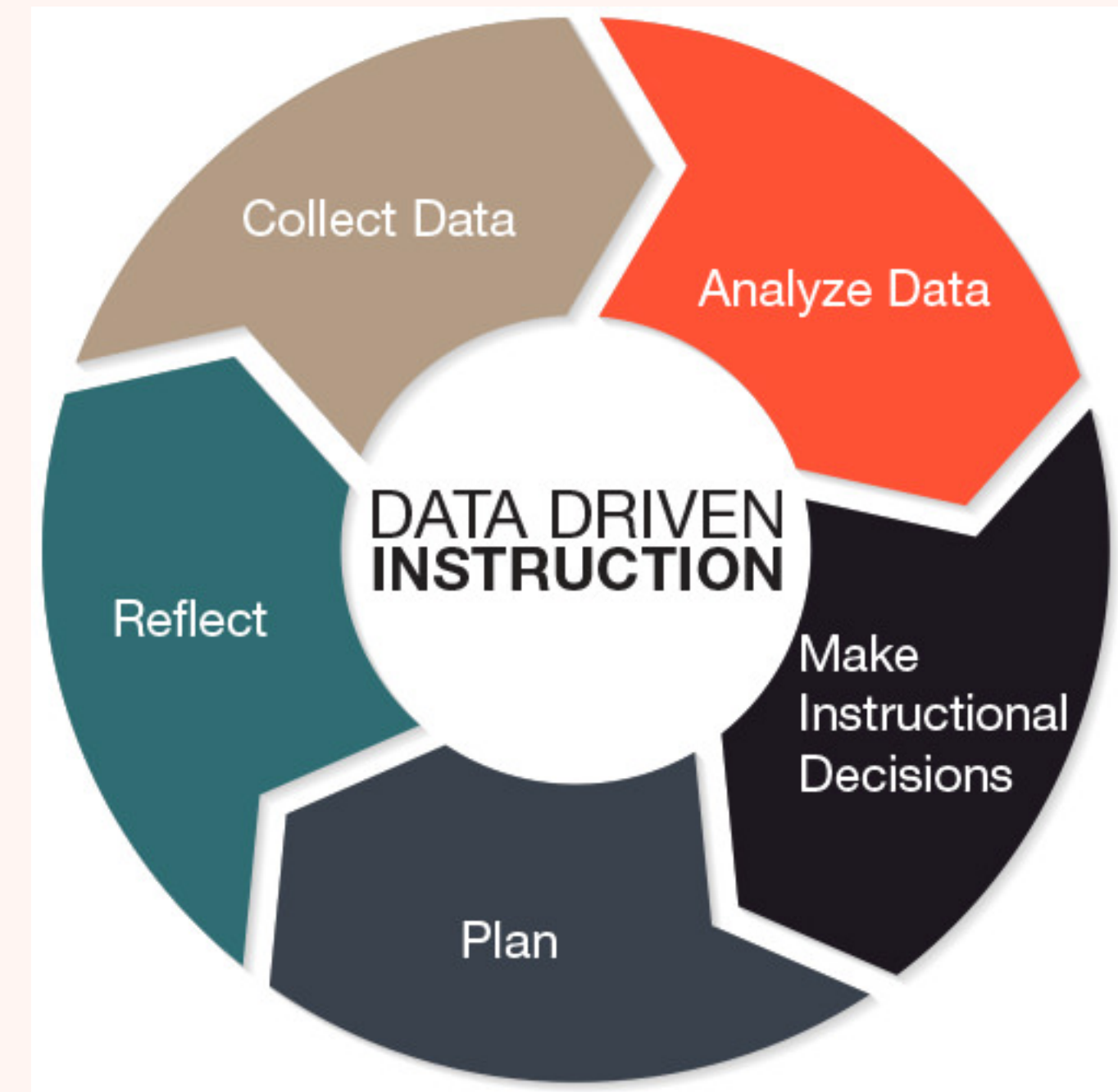

CVI Training for Effective Teaching of Students with Visual Impairments

CHARACTERISTICS OF CVI

UNDERSTANDING CVI

- **Learning Objectives:**
- **Participants will be able to identify the 10 Characteristics of CVI**



10 CHARACTERISTICS OF CVI

Understanding CVI

➤ **Color preference**

- Need for light

➤ **Need for movement**

- Difficulty with distance viewing

➤ **Visual latency**

- Atypical visual reflexes

➤ **Visual field preference**

- Difficulty with visual novelty

➤ **Dorsal Stream Vision**

- Absence of visually guided reach

➤ **Ventral Stream Vision**

10 CHARACTERISTICS OF CVI

Understanding CVI

➤ **Difficulty with visual complexity**

➤ **Complexity of Objects**

- Need for light
- Difficulty with distance viewing
- Atypical visual reflexes
- Difficulty with visual novelty
- Absence of visually guided reach



10 CHARACTERISTICS OF CVI

Understanding CVI

➤ **Difficulty with visual complexity**

➤ **Complexity of Objects**

➤ **Complexity or Array**

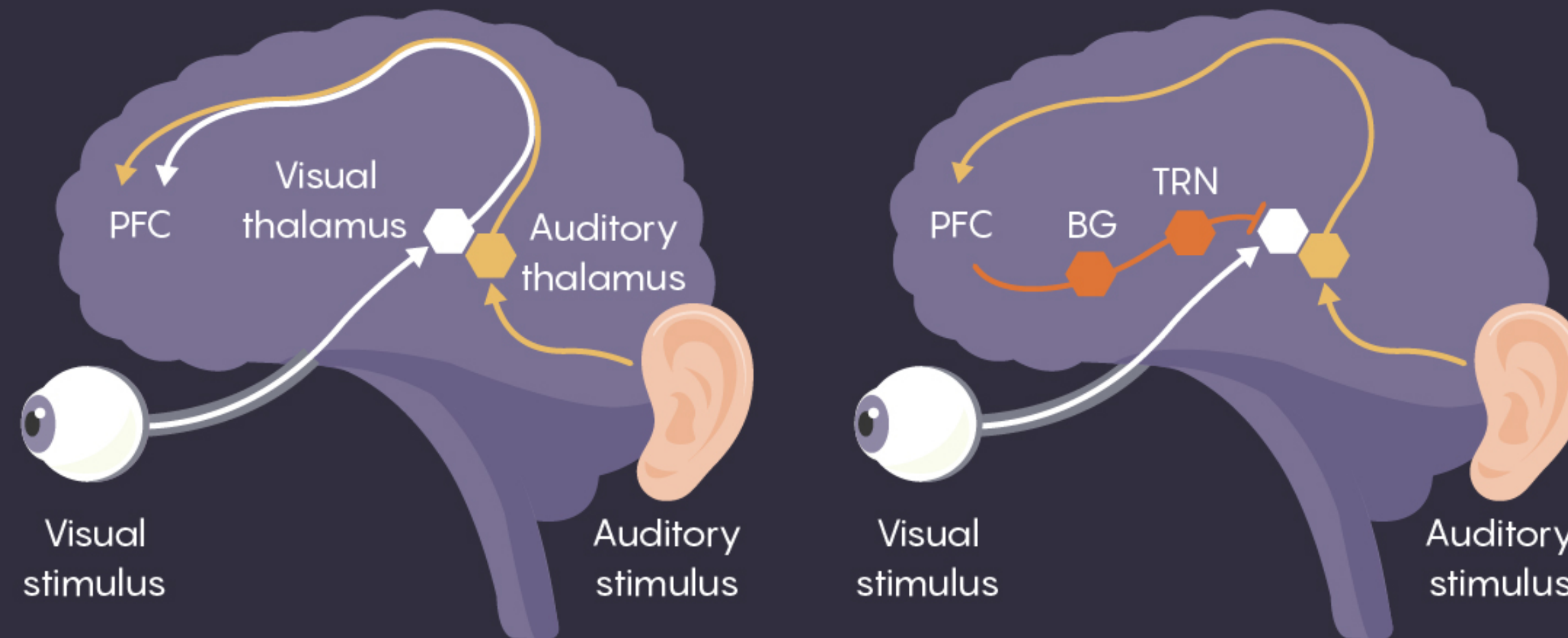
- Need for light
- Difficulty with distance viewing
- Atypical visual reflexes
- Difficulty with visual novelty
- Absence of visually guided reach

TEST YOUR AWARENESS



How the Brain Tunes Out Distractions

A massive amount of information constantly floods the senses, and yet we can focus on what's important and tune out the rest. Researchers have pinpointed a circuit in the brain that suppresses distracting and irrelevant inputs.



Overwhelming Stimuli:

The prefrontal cortex (PFC) would get overwhelmed with information if the thalamus passed along all sensory inputs.

Filtering and Focusing:

When it's more important to pay attention to what's heard than what's seen, the PFC instructs the basal ganglia (BG) to employ the thalamic reticular nucleus (TRN) to inhibit the visual thalamus. This suppresses the flow of visual information and leaves the auditory signal more prominent.





10 CHARACTERISTICS OF CVI

Understanding CVI

➤ **Difficulty with visual complexity**

➤ **Complexity of Objects**

➤ **Complexity of Array**

➤ **Complexity of Faces**

➤ **Complexity of Sensory Environment**

- Need for light
- Difficulty with distance viewing
- Atypical visual reflexes
- Difficulty with visual novelty
- Absence of visually guided reach

10 CHARACTERISTICS OF CVI

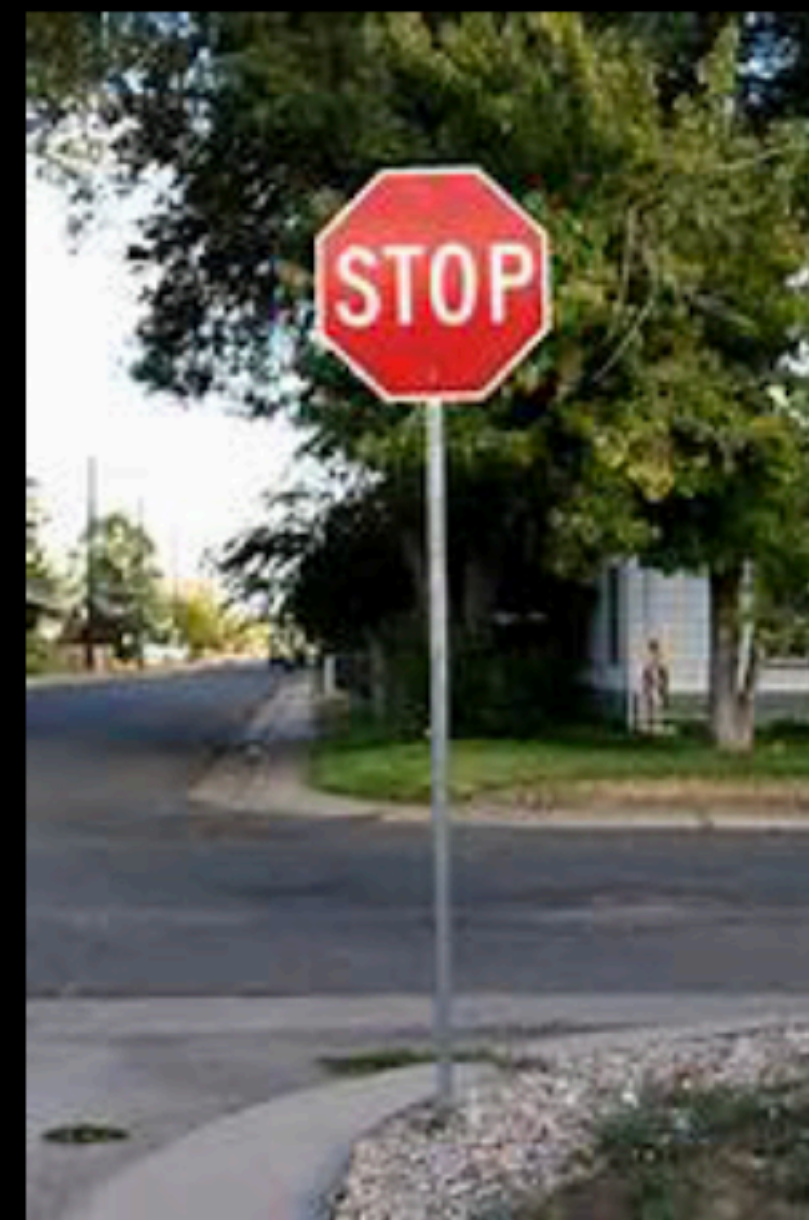
Understanding CVI

➤ **Need for light**

- Need for light

➤ **Difficulty with distance Viewing**

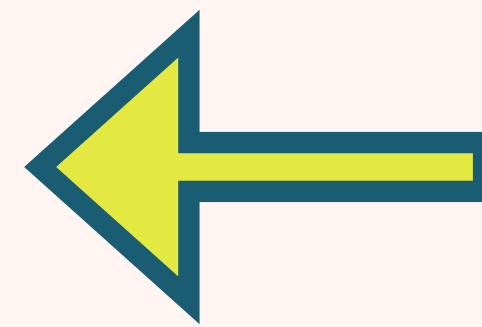
- Difficulty with distance viewing
- Atypical visual reflexes
- Difficulty with visual novelty
- Absence of visually guided reach



10 CHARACTERISTICS OF CVI

Understanding CVI

- **Need for light**
- **Difficulty with distance Viewing**
- **Atypical visual reflexes**
- **Difficulty with visual novelty**
- **Absence of visually guided reach**



**This is the only characteristic
that will not require an
accommodation.**

10 Visual and Behavioral Characteristics of CVI

- **Color** Preference
- Need for Movement
- Visual Latency
- Visual Field Preference
- Difficulty with Visual **Complexity**
- Need for **Light**
- Difficulty with Distance Viewing
- Atypical Visual Reflexes
- Difficulty with Visual Novelty
- Absence of Visually Guided Reach