

Name _____

Date _____

FORM 4A

Othmer Method Neurofeedback Certification

Summary of *Understanding the Brain* by Norden

List below three key ideas from each chapter:

Chapter 1: Historical Underpinnings of Neuroscience

1.

2.

3.

Chapter 2: Central Nervous System – Gross Organization

1.

2.

3.

Name _____

Date _____

Summary of ***Understanding the Brain*** by Norden

Chapter 3: Central Nervous System – Internal Organization

1.

2.

3.

Chapter 4: Central Nervous System – Subdivisions

1.

2.

3.

Name _____

Date _____

Summary of ***Understanding the Brain*** by Norden

Chapter 5: Cortex – Lobes and Areas

1.

2.

3.

Chapter 6: Cortex – Sensory, Motor and Association Areas

1.

2.

3.

Name _____

Date _____

Summary of ***Understanding the Brain*** by Norden

Chapter 7: Central Nervous System – Development

1.

2.

3.

Chapter 8: Central Nervous System – Cellular Organization

1.

2.

3.

Name _____

Date _____

Summary of ***Understanding the Brain*** by Norden

Chapter 9: Pathways and Synapses

1.

2.

3.

Chapter 10: Neurotransmitters

1.

2.

3.

Name _____

Date _____

Summary of ***Understanding the Brain*** by Norden

Chapter 11: Stroke

1.

2.

3.

Chapter 12: The Visual System – The Eye

1.

2.

3.

Name _____

Date _____

Summary of ***Understanding the Brain*** by Norden

Chapter 13: *The Visual System – The Cortex*

1.

2.

3.

Chapter 14: *The Auditory System*

1.

2.

3.

Name _____

Date _____

Summary of ***Understanding the Brain*** by Norden

Chapter 15: *The Somatosensory System*

1.

2.

3.

Chapter 16: *Agnosias*

1.

2.

3.

Name _____

Date _____

Summary of ***Understanding the Brain*** by Norden

Chapter 17: *The Motor System – Voluntary Movement*

1.

2.

3.

Chapter 18: *The Motor System – Coordinated Movement*

1.

2.

3.

Name _____

Date _____

Summary of ***Understanding the Brain*** by Norden

Chapter 19: *Parkinson's Disease*

1.

2.

3.

Chapter 20: *Language*

1.

2.

3.

Name _____

Date _____

Summary of ***Understanding the Brain*** by Norden

Chapter 21: *The Limbic System – Anatomy*

1.

2.

3.

Chapter 22: *The Limbic System – Biochemistry*

1.

2.

3.

Name _____

Date _____

Summary of ***Understanding the Brain*** by Norden

Chapter 23: *Depression*

1.

2.

3.

Chapter 24: *The Reward System – Anatomy*

1.

2.

3.

Name _____

Date _____

Summary of ***Understanding the Brain*** by Norden

Chapter 25: *The Reward System – Drugs*

1.

2.

3.

Chapter 26: *Brain Plasticity*

1.

2.

3.

Name _____

Date _____

Summary of ***Understanding the Brain*** by Norden

Chapter 27: *Emotion and Executive Function*

1.

2.

3.

Chapter 28: *Processing of Negative Emotions – Fear*

1.

2.

3.

Name _____

Date _____

Summary of ***Understanding the Brain*** by Norden

Chapter 29: *Music and the Brain*

1.

2.

3.

Chapter 30: *Sexual Dimorphism of the Brain*

1.

2.

3.

Name _____

Date _____

Summary of ***Understanding the Brain*** by Norden

Chapter 31: *Sleep and Dreaming*

1.

2.

3.

Chapter 32: *Consciousness and the Self*

1.

2.

3.

Name _____

Date _____

Summary of ***Understanding the Brain*** by Norden

Chapter 33: *Alzheimer's Disease*

1.

2.

3.

Chapter 34: *Risk Factors for Alzheimer's Disease*

1.

2.

3.

Name _____

Date _____

Summary of ***Understanding the Brain*** by Norden

Chapter 35: Wellness and the Brain – Effects of Stress

1.

2.

3.

Chapter 36: Neuroscience – Looking Back and Looking Ahead

1.

2.

3.