

# Explaining the Brain: Mechanisms and the Mosaic Unity of Neuroscience

By Carl F. Craver

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## EXPLAINING THE BRAIN

*mechanisms and the mosaic  
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CARL F. CRAVER

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14 of 14 review helpful A Pragmatic Philosophy of Neuroscience By Joe C In Explaining the Brain Mechanisms and the Mosaic Unity of Neuroscience Carl Craver does not in fact explain the brain After all anyone who currently claims to be able to completely explain the brain is either a liar or utterly misguided Instead Craver s stated goal is to construct a model of explanations that reflects rather than merely ac What distinguishes good explanations in neuroscience from bad Carl F Craver constructs and defends standards for evaluating neuroscientific explanations that are grounded in a systematic view of what neuroscientific explanations are descriptions of multilevel mechanisms In developing this approach he draws on a wide range of examples in the history of neuroscience e g Hodgkin and Huxleys model of the action potential and LTP as a putative explanation for different There have been pockets of activity I would say but few systematic accounts that explore the field of neuroscience as a whole Carl Craver s book Explaining the Brain Mechanisms and the Mosaic Unity of Neuroscience represents this new direction

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