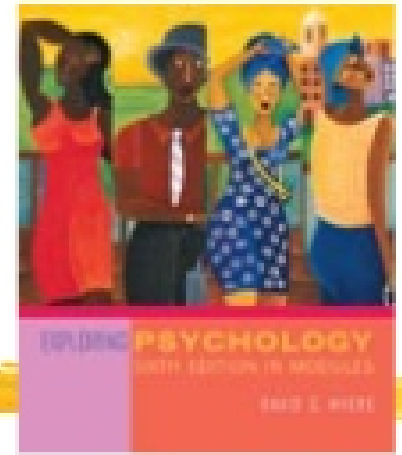


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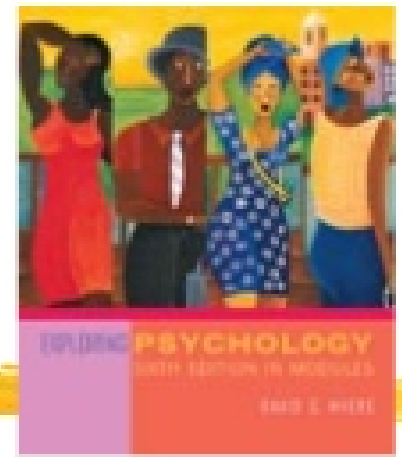
Module 5

The Nature of Behavior

James A. McCubbin, PhD
Clemson University

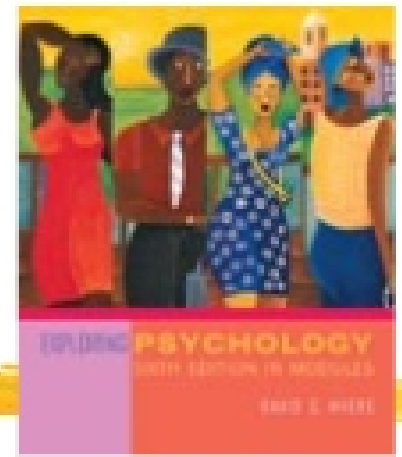
Worth Publishers

Genes: Our Biological Blueprint



- **Chromosomes**
 - threadlike structures made of DNA that contain the genes
- **DNA (deoxyribonucleic acid)**
 - complex molecule containing the genetic information that makes up the chromosomes
 - has two strands-forming a “double helix”-held together by bonds between pairs of nucleotides

Genes: Our Biological Blueprint



- **Genes**

- biochemical units of heredity that make up the chromosomes
- a segment of DNA capable of synthesizing a protein

- **Genome**

- the complete instructions for making an organism
- consisting of all the genetic material in its chromosomes