

ODYSSEY Molecular Explorer

— Release 6.2 —

Correlation with the

Missouri Science Standards

Approved January 18, 1996

In Science, students in Missouri public schools will acquire a solid foundation which includes knowledge of

1. properties and principles of matter and energy

→ *Many Labs*

2. properties and principles of force and motion

→ **DEMONSTRATION** *Thermochemistry* "What is the energy of a vibrating diatomic molecule?"

→ **LAB** *Gases* "The Meaning of Temperature"

→ **LAB** *Gases* "Mean Speed and Temperature"

→ **LAB** *Gases* "The Distribution of Kinetic Energies"

→ **LAB** *Liquids & Solids* "Molecular Motion in the States of Matter"

3. characteristics and interactions of living organisms

→ **MISCELLANEOUS** *Biochemistry* "Carbohydrates"

→ **LAB** *Biochemistry* "Starch"

→ **LAB** *Biochemistry* "Amino Acids"

→ **LAB** *Biochemistry* "Building a Model of a Protein"

→ **LAB** *Biochemistry* "Building a Model of DNA"

7. processes of scientific inquiry (such as formulating and testing hypotheses)

→ *Many Labs*