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8 expand when heated.
In solids, the atoms are
closely locked in
position and can only
vibrate. In liquids, the
atoms or molecules
have higher energy,
are more loosely con-
nected, and can slide
past one another;
some molecules may

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get enough energy to
escape into a gas.

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Thermometer Mr.
Martinez placed a
thermometer in a jar of
very hot water. His
students watched what
happened to the
thermometer. Im-
mediately the level of
the red liquid in the
thermometer went up.

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which can be used

before and after

administering the

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information on

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Tugel 2009) The fourth
book in the series
contains 23 for-
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assessment probes in
life, physical, and Earth
and space science, as
well as 2 probes that
target the crosscutting
concepts of models
and systems.

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K-2

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sciences.
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1 that substances can be divided up into small particles, they do not recognize the particles as building blocks, but as formed of basi-cally continuous substances under certain conditions (AAAS 1993, p. 336). Students of all ages show a wide range of be -

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