

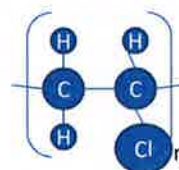
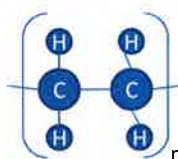
What's happening with the fish?

- The fish is composed of hygroscopic polymer.
- Absorption of water (from sweat, breath, steam, etc...) changes the physical structure of the polymer.
- When water evaporates, the polymer returns to its original state.
- Many such changes at the molecular level lead to observable motion at the macroscopic level.



Science Ideas

- Substances can be identified by their properties.
- Observed properties are ultimately due to the composition and structure of matter at the atomic scale.



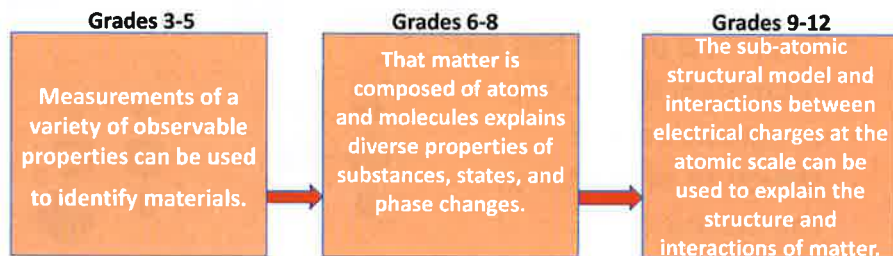
Science Ideas

- Physical changes are reversible.
- Physical change is accompanied by energy transfer.
- **Large numbers of small changes at the molecular level lead to changes observable at macroscopic level.**



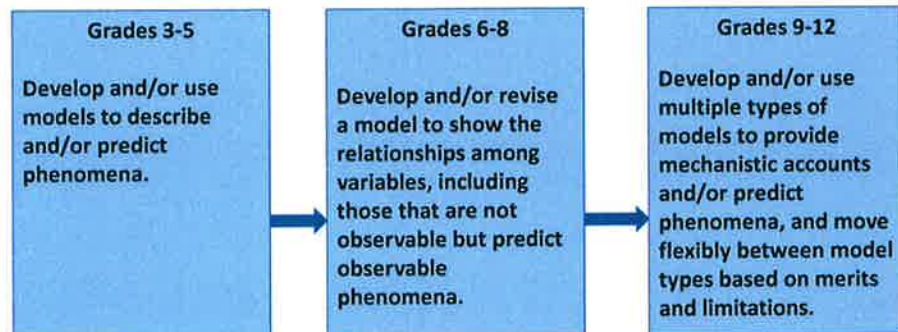
DCI Progression

- Structures and Properties of Matter



SEP Progression

- Develop or use models



Cross-Cutting Concepts Progression

- Structure and Function

