

|                                                                   | Ancient Greek View                                                                              |                                                                                      | Modern Scientific View                                                                          |
|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Which elements / states of matter are we observing?               | <div></div> <div></div> <div></div> <div></div>                                                 |  | <div></div> <div></div> <div></div> <div></div>                                                 |
| What causes hot air to rise?                                      | <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> |                                                                                      | <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> |
| Why does cooling mostly cause materials to contract and solidify? | <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> |                                                                                      | <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> |
| What causes the turbine to move in a circular motion?             | <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> |                                                                                      | <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> |

Let's look a little more deeply about why hot air rises (the modern science):

|                                                   |                                           |
|---------------------------------------------------|-------------------------------------------|
| How is the density of materials affected by heat? | <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>       |
| Where do we see buoyancy in everyday life?        | <hr/> <hr/> <hr/>                         |
| What is buoyancy?                                 | <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> |
| What causes buoyancy?                             | <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> |