

## **AIR IS A SUBSTANCE**

### **KEY IDEAS**

- Air is a material
- Air has mass
- Air can be measured

### **EXAMPLE QUESTIONS**

- How can you tell air is a material?
- How do you think air could be weighed?

## **AIR IS A MIXTURE OF INVISIBLE GASES**

- Air is all around us.
- It is an invisible mixture of gases, and it takes up space.
- (An Empty drinking glass is not really empty; it is full of air).
- Air, or any gas, consists of tiny moving particles, called molecules.

## **AIR HAS MASS**

- Like all substances, air has mass that can be measured (as shown on the video clip).

## **AIR CAN MAKE THINGS HAPPEN**

- Moving air can make objects move.
- Air movements can be used as a source of energy to drive machinery, such as windmills or sailing boats.
- Wind is a large volume of moving air.
- We can make air move with fans, hair dryers, vacuum cleaners and bicycle pumps.

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