**Hospital**

**Knowledge**

Dr Jones works as doctor in a local hospital. Dr Jones often administers her patients the blood-thinning drug “Heparine” in order to prevent thrombosis and blood clots. Normally, blood-thinning drugs do not cause any side effects with certain blood types.

The hospital has recently started to order an additional blood-thinning drug, “Afibo”, that is cheaper than “Heparine”. “Afibo” is as effective as “Heparine”, but has one side effect. It causes mild leg cramps in patients with blood type ‘AB-positive’.

Because the drug “Afibo” has only recently been ordered, Dr Jones does not know that this drug causes mild leg cramps in patients with blood type ‘AB-positive’.

One day, Dr Jones is treating a patient. Checking the patient’s medical record, Dr Jones sees that the patient has blood type ‘AB-positive’. Dr Jones does not know that the new blood thinner “Afibo” causes mild leg cramps in people with blood type ‘AB-positive’.

Dr Jones administers “Afibo” to that patient. The drug helps to prevent the patient’s onset of thrombosis, but the patient also suffers from mild leg cramps.

**No Knowledge**

Dr Smith works as doctor in a local hospital. Dr Smith often administers her patients the blood-thinning drug “Sanguin” in order to prevent thrombosis and blood clots. Normally, blood-thinning drugs do not cause any side effects with certain blood types.

The hospital has recently started to order an additional blood-thinning drug, “Corus”, that is cheaper than “Sanguin”. “Corus” is as effective as “Sanguin”, but has one side effect. It causes mild leg cramps in patients with blood type ‘B-negative’.

Although the drug “Corus” has only recently been ordered, Dr Smith**knows** that this drug causes mild leg cramps in patients with blood type ‘B-negative’.

**Garden**

**No Knowledge**

Bob is a gardener in a local botanical garden and takes care of a very delicate type of rose, the China rose. Bob regularly fertilizes the roses with the fertilizer “Vitax” in order to keep them alive and healthy. The botanical garden supplies all gardeners who work in the botanical garden with gardening tools, chemicals and fertilizer. Normally, fertilizers do not harm delicate roses.

The garden manager has recently started to order an additional fertilizer, “Nutrit”, that is cheaper than “Vitax”. “Nutrit” is as effective as “Vitax”, but also has a negative effect. It harms delicate rose types such as the China rose.

Because the new fertilizer has only recently been ordered, Bob does not know that it harms delicate rose types such as the China rose.

One day, Bob takes care of the China roses in the botanical garden. Bob does not know that the new fertilizer “Nutrit” harms China roses.  
  
Bob fertilizes the China roses with the fertilizer “Nutrit”. As a result of the fertilization, the China roses die.

**No Knowledge**

Alex is a gardener in a local botanical garden and takes care of a very delicate type of rose, the Bourbon rose. Alex regularly fertilizes the roses with the fertilizer “Flora” in order to keep them healthy and alive. The botanical garden supplies all gardeners who work in the botanical garden with gardening tools, chemicals and fertilizer. Normally, fertilizers do not harm delicate roses.

The garden manager has recently started to order an additional fertilizer, “Splendor”, that is cheaper than “Flora”. “Splendor” is as effective as “Flora”, but also has a negative effect. It harms delicate rose types such as the Bourbon rose.

Although the new fertilizer has only recently been ordered, Alex knows that it harms delicate rose types such as the Bourbon rose.

**Bakery**

**Knowledge**

Anne is a baker who works for the local bakery in town. The bakery offers a variety of pastries, including nut allergy friendly cakes, muffins and cookies. Anne uses flour of the brand “Green Farms” when baking. The bakery provides all necessary baking products including flour. Normally, flour does not contain traces of nuts.  
The bakery manager has recently started to order an additional flour brand, “Homestead”, that is cheaper than “Green Farms”. “Homestead” is of the same quality as “Green Farms”, but differs in one aspect. It contains traces of hazelnuts.

Because the new flour has only recently been ordered, Anne **does not know** that it contains traces of hazelnuts.

One day, Anne is baking an allergy friendly cake for a customer with nut allergy. Anne does not know that the “Homestead” flour includes traces of hazelnuts.

Anne uses the “Homestead” flour for the cake. As a result of using this flour, the customer suffers from an allergic reaction.

**No Knowledge**

Sandra is a baker who works for the local bakery in town. The bakery offers a variety of pastries, including nut allergy friendly cakes, muffins and cookies. Sandra uses flour of the brand “White Mill” when baking. The bakery provides all necessary baking products including flour. Normally, flour does not contain traces of nuts.

The bakery manager has recently started to order an additional flour brand, “Harvest”, that is cheaper than “White Mill”. “Harvest” is of the same quality as “White Mill”, but differs in one aspect. It contains traces of walnuts.

Although the new flour has only recently been ordered, Sandra **knows** that it contains traces of walnuts.