Donor Blood Type	Possible Recipients
A+	?
O-	?
B-	?
AB+	?

Exercise 2: Blood Transfusion Compatibility

Match the following **donor blood types** to the **recipients** who can safely receive them:

Exercise 3: Emergency Blood Transfusion

A hospital receives an emergency case where a patient with blood type **O-** needs a transfusion. Due to a supply shortage, the following blood types are available:

- A+
- O-
- B+
- AB-

Which of these can be safely used? Explain your reasoning.

Exercise 5: Punnett Square for Rh Factor

A mother with genotype **Rh+/Rh-** and a father with **Rh+/Rh+** have a child.

1. Construct a Punnett square for the Rh factor.
2. What percentage of their children will be Rh-negative?

Homework

Challenging Question: Blood Type Mystery

A hospital mistakenly mixed up the identification tags of three newborn babies. The blood types of the babies and their parents are as follows:

- **Baby 1:** O+
- **Baby 2:** AB-
- **Baby 3:** B+

The parents' blood types are:

- **Couple A:** A+ (mother) and B- (father)
- **Couple B:** O- (mother) and O+ (father)
- **Couple C:** AB+ (mother) and A- (father)

Question:
Determine which baby belongs to which couple, explaining your reasoning using blood type inheritance rules.