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## Lesson Title: Blood analysis

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### Objectives:

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*Students will be able to*

- Explain how the different blood types are determined.
- Determine the (simulated) blood type of various suspects by testing for the different proteins

### Assessment:

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*Informal:*

- Blood analysis activity

*Formal:*

- Blood analysis pre-activity questions

*Homework:*

- Complete the blood analysis activity sheet if not finished in class

### Materials:

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Blood analysis reading	simulated human blood	microscopes
Blood analysis pre-activity questions	Antibody solutions	pipettes
Blood analysis activity sheet	microscope slides	

### Procedures:

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*Introduction*

- Students will identify any information they already know about blood types.

*Development*

- Students will complete the reading on blood analysis and the pre-activity questions.
- In small groups, students will complete the blood analysis activity.
- Students will watch the “Supply & Demand” episode of CSI: NY to observe how blood analysis is used in criminal investigations.

*Closure*

- Students will be selected to explain which proteins are present and absent in the different blood types.