


CSI Adventure Cache Cards


 **CSI Adventure**

Cache #1


#1: Identify the fingerprint pattern shown at right.

#2: To what class does it belong?

#3: How common is this class of fingerprint? Choose from: 60%, 35%, or 5%.



Done? Find your teacher to check your answers.

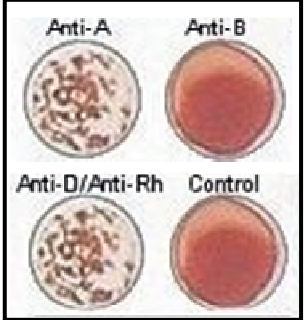
 **CSI Adventure**

Cache #3


#1: What blood type is shown by the test results?

#2: What blood types could this person receive in a transfusion?

#3: What blood types could receive this type of blood?



Done? Find your teacher to check your answers.

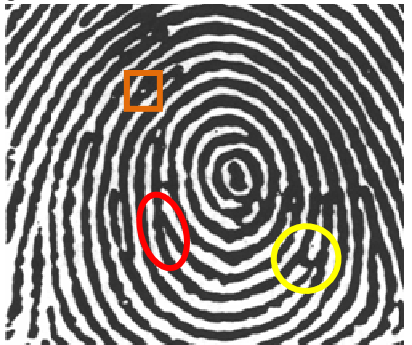
 **CSI Adventure**

Cache #2


#1: Identify the ridge structure in the red oval.

#2: Identify the ridge structure in the yellow circle.

#3: Identify the structure in the orange square.



Done? Find your teacher to check your answers.

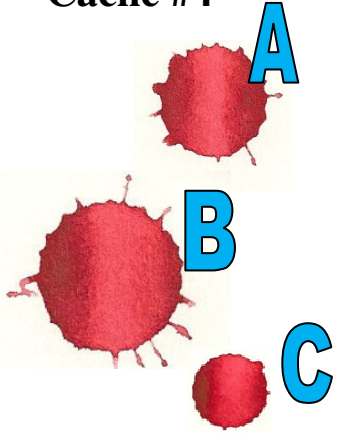
 **CSI Adventure**

Cache #4

#1: Which of the 3 droplets at right would have likely been from a wound to the lower leg?

#2: What type of pattern is illustrated by the spatter on the back of this card?

#3: What are 2 ways we can tell how fast a person was walking from blood droplets at the scene?




Done? Find your teacher to check your answers.

Teacher Note:

Cache #1 & 2: You may want to include a hand lens in the cache container.

Cache #4: You will need to glue the blood spatter sample from the last page of this document to the back of this card.

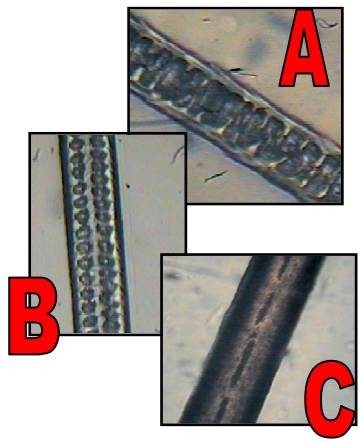
CSI Adventure Cache Cards


 **CSI Adventure**

Cache #5

#1: Which sample is human hair?
#2: Which sample is rabbit hair?
#3: What do we call the outer layer of the hair shaft that consists of overlapping scales?
#4: What must be present on hair to test for DNA?

Done? Find your teacher to check your answers.

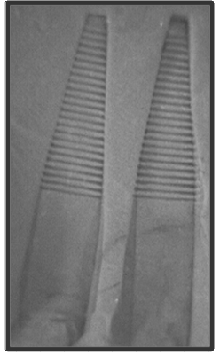



 **CSI Adventure**

Cache #7

1: Use the ink pad to make a tire print of the car provided on the back of your worksheet. Which set of tracks on the back of this card matches the car's tires?
#2: What notorious serial killer was tied to the murder of Lisa Levy through bite marks that were found on her body?
#3: What type of tool might have been used to make the impression shown at right? Choose from: *flat screwdriver, needle-nose pliers, or crescent wrench.*

Done? Find your teacher to check your answers.




 **CSI Adventure**

Cache #6

1: Use the materials provided to test the sample pen. Which piece of evidence on the back of this card matches this pen?
Note: Save the chromatogram and give it to your teacher when you check your answers!
2: What type of chromatography might be used to determine the specific chemical compounds in a sample of gasoline? Choose from: Liquid, Gas, Thin-Layer, or Paper
3: What do we call the substance that is being dissolved in a solution?
4: What is the universal solvent?

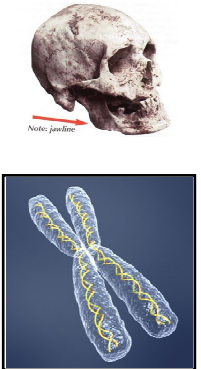
Done? Find your teacher to check your answers. Be sure to bring your chromatogram from #1 with you!

 **CSI Adventure**

Cache #8

1: Forensic anthropologists analyze skeletal remains to determine four characteristics for a victim. Age, sex, and stature are 3 of them. What is the other one?
2: True or False - DNA evidence can be extracted from a skeleton's teeth.
3: Give the abbreviation for the database used to find matches for the type of evidence in bottom photo.

Done? Find your teacher to check your answers.



Teacher Notes:

Cache #6: You will need strips from 3 chromatograms (cut to fit the space available) taped to the back of this card. One of the strips should match the pen provided in the cache container. Also include the other materials they'll need: filter paper, a small beaker, pencil, masking tape, and a bottle of water.

Cache #7: You will need to make 3 sample tire prints. Make a copy of the tracks reduced enough to fit the space available. Tape them on the back of the card. You'll also need to include one Hot Wheels car (that matches one of the tracks) and an ink pad in the cache container.

CSI Adventure Cache Cards

CSI Adventure

Cache #9

1: To what order do flies belong?

2: Use the chart on the back to determine the approximate age of the blow fly maggot shown.

Note: Assume an average temp of 72°F

3: What does the abbreviation "PMI" represent?

**Done? Find your teacher
to check your answers.**



CSI Adventure

Cache #10

How observant have you been during class?

1: Which penny on the back of this card is the correct one?

2: True or False - You can see Bugs Bunny at Walt Disney World.

3: What was the name of the software we used to create facial composites?

**Done? Find your teacher
to check your answers.**

Teacher Notes


Cache #9 - You will need to glue the chart (see next page) to the back of this card.

Cache #10 - You will need to glue the diagram of pennies (see next page) to the back of this card.

CSI Adventure Cache Cards

Information for the back of the cache cards


Cache #4



Choose from:
Passive, projected, or transfer

Cache #9: Fly Development

Days after Death	<i>Musca domestica</i> House fly	<i>Calliphora vomitoria</i> Blow fly	<i>Sarcophaga carnaria</i> Flesh fly	<i>Piophilta nigriceps</i> Skipper fly
1		Egg	L 9-11	
2	Egg	L 9-11	L 12-16	
3	Egg	L 9-11	L 17-20	
4	L 6	L 12-16	L 21-25	
5	L 6	L 12-16	L 26-30	Egg
6	L 7-11	L 17-20	L 31-35	Egg
7	L 12-16	L 17-20	L 36-40	L 3
8	L 17-20	L 21-25	L 41-44	L 3
9	L 21-25	L 21-25	L 44-46	L 4-6
10	L 26-30	L 26-30	L 44-46	L 7-9
11	L 31-35	L 26-30	P 38-40	L 10-13
12	P 26-29	L 31-35	P 38-40	L 14-16
13	P 26-29	L 31-35	P 38-40	P 13-15
14	P 26-29	P 31-34	P 38-40	P 13-15
15	P 26-29	P 31-34	P 38-40	P 13-15
16	P 26-29	P 31-34	P 38-40	P 13-15
17	P 26-29	P 31-34	P 38-40	P 13-15
18	A 30-32	P 31-34	P 38-40	P 13-15
19		P 31-34	A 42-45	A 16-18
20		P 31-34		
21		A 36-38		



Cache #10

Cache #6: Chromatograms

A B C

Cache #7: Tire Tracks

A B C