

a

9. What happens when nondisjunction occurs?

- ☒ a. Chromosomes fail to separate.
- b. Chromosomes separate normally.
- c. Sections of chromosomes are deleted.
- d. Sections of chromosomes become inverted.

a

10. How is DNA fingerprinting commonly used?

- ☒ a. to convict criminals or overturn convictions
- b. to sequence all human DNA
- c. to rapidly sequence DNA with computers
- d. to identify and locate human genes

d

11. DNA samples for human DNA fingerprinting can be obtained from

- a. sperm.
- b. blood.
- c. hair with attached tissue.
- ☒ d. all of the above.

**Short Answer** On the lines provided, answer the following questions.

12. What type of picture would a biologist look at to determine whether a fetus has Down syndrome?

Karyotype

13. Why are the X and Y chromosomes called sex chromosomes?

determines sex of child

XX = girl

XY = boy

14. How many autosomes are found in a human diploid cell?

44

15. What type of chart would help a genetic counselor track the passage of a trait through the generations of a family?

pedigree

# Section 21 1 Review Modern Biology Answers

**Jiyuan Zhang**



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subaqueous regions

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web feb 17 2022 2 needle beam method for firm ground and brick lining the needle beam method is ideal it s made composed of a sturdy wooden beam from the main temporary support when the soil roof can stand for a few minutes the needle beam method is used needle beam length 5 m to 6 m needle beam method sequence

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web mar 10 2020 figure 3 intensity propagation after self apodizing truncation a 10 fs pulsed microscale needle beam was obtained by generating a bessel like beam with a gaussian shaped fused silica thin film axicon and truncation by a 30  $\mu$ m pinhole in the beam waist z 9 mm laser ti sapphire 800 nm central wavelength pinhole position and diameter

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web dec 1 2020 in this article we covers needle beam method of tunneling in soft ground factor affecting the choice of a method size of tunnel type of ground available equipment method of sequence of excavation needle beam method needle beam method suitable for firm ground and brick

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web the needle beam method fig 30 8 is adopted in terrains where the soil permits the roof of the tunnel section to stand without support for a few minutes in this method a small drift is prepared for inserting a needle beam consisting of two rail steel rs joists or i sections and is bolted together with a wooden block in the centre

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