



# unit 6: Other Fabric Construction



Name \_\_\_\_\_

Class \_\_\_\_\_ Date \_\_\_\_\_

Score \_\_\_\_\_

**Instructions:** You will be viewing a series of photos to gain an understanding of a variety of methods of fabric construction other than through weaving and knitting. Complete this worksheet while viewing the test photos in each section of Unit 6: Other Fabric Construction. Be as descriptive as possible in your responses.

## I. Solution Based Fabrics

The photos illustrate examples of solution based fabrics including films and foams.

### Solution Based Fabric 1

What type of solution based fabric is represented in the photo? Is it a film or foam?

\_\_\_\_\_

Describe the distinguishing characteristics.

\_\_\_\_\_

\_\_\_\_\_

Describe three applications that might be appropriate for this type of solution based fabric?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### Solution Based Fabric 2

What type of solution based fabric is represented in the photo? Is it a film or foam?

\_\_\_\_\_



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Describe the distinguishing characteristics.

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Describe three applications that might be appropriate for this type of solution based fabric.

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How do films and foams differ?

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Describe at least two general advantages of both foams and films.

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## II. Fiber Based Fabrics

The photos illustrate examples of fiber based fabrics including:

- bark cloth
- felt
- fiber web

### Fiber Based Fabric 1

What type of fiber based fabric is represented in the photos? Is it a bark cloth, felt or fiber web?

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Describe the distinguishing characteristics.

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List two applications where the use of this type of fiber based fabric would be appropriate.

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### Fiber Based Fabric 2

What type of fiber based fabric is represented in the photos? Is it a bark cloth, felt or fiber web?

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Describe the distinguishing characteristics.

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List two applications where the use of this type of fiber based fabric would be appropriate.

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## Fiber Based Fabric 3

What type of fiber based fabric is represented in the photos? Is it a bark cloth, felt or fiber web?

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Describe the distinguishing characteristics.

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List two applications where the use of this type of fiber based fabric would be appropriate.

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Why are applications for fiber web fabrics so diverse?

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How do fiber webs differ from felts?

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Why does bark cloth seem to have limited application?

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## III. Yarn Based Fabrics

The photos illustrate examples of fiber based fabrics including:

- braid
- crochet
- lace
- macramé
- net

### Yarn Based Fabric 1

What type of yarn based fabric is represented in the photos?

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Describe the distinguishing characteristics.

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Describe two applications for this type of yarn based fabric.

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### Yarn Based Fabric 2

What type of yarn based fabric is represented in the photos?

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Describe the distinguishing characteristics.

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Describe two applications for this type of yarn based fabric.

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## Yarn Based Fabric 3

What type of yarn based fabric is represented in the photos?

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What specific variety of this yarn based fabric is shown?

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Describe the distinguishing characteristics.

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Describe two applications for this type of yarn based fabric.

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## Yarn Based Fabric 4

What type of yarn based fabric is represented in the photos?

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Describe the distinguishing characteristics.

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Describe two applications for this type of yarn based fabric.

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## Yarn Based Fabric 5

What type of yarn based fabric is represented in the photos?

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What specific variety of yarn based fabric is shown?

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Describe the distinguishing characteristics.

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Describe two applications for this type of yarn based fabric.

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## Yarn Based Fabric 6

What type of yarn based fabric is represented in the photos?

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Describe the distinguishing characteristics.

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Describe two applications for this type of yarn based fabric.

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How might one differentiate handmade lace from machine made lace?

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Describe at least two advantages of handmade lace.

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Describe at least two advantages of machine made lace.

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## IV. Composites

The photos illustrate examples of composites including:

- coated fabrics
- laminates
- stitch bonded fabrics
- tufted fabrics

### Composite 1, face, reverse and edge

What type of composite is represented by the fabric in the face, reverse and edge photos?

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What basic components are joined to produce the composite?

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What characteristics help in identifying this type of composite?

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List two applications that might be appropriate for this composite.

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## Composite 2, face, reverse and surface

What type of composite is represented by the fabric in the face, reverse and edge photos?

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What basic components are joined to produce the composite?

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What characteristics help in identifying this type of composite?

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List two applications that might be appropriate for this composite.

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## Composite 3, face, reverse and edge

What type of composite is represented by the fabric in the face, reverse and edge photos?

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What basic components are joined to produce the composite?

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What characteristics help in identifying this type of composite?

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List two applications that might be appropriate for this composite.

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Why are different materials often joined into a single composite?

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Give two examples of materials being joined together in a single composite. Describe the benefits of each material in the composites.

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## V. Animal Products

The photos illustrate examples of animal products including:

- fur
- leather
- suede

### Animal Product 1, face and reverse

What type of animal product is represented in the face and reverse photos?

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What characteristics help in determining the type of animal product?

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List two common applications of this type of animal product.

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## **Animal Product 2, face and reverse**

What type of animal product is represented in the face and reverse photos?

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What characteristics help in determining the type of animal product?

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List two common applications of this type of animal product.

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## **Animal Product 3, face and reverse**

What type of animal product is represented in the face and reverse photos?

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What characteristics help in determining the type of animal product?

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List two common applications of this type of animal product.

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What is the basic difference between leather and suede?

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What synthetic fabrics could be used as a substitute for each of the three animal products - fur, leather and suede?

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