CHAPTER 16
HANDOUT

## Comparison of Oogenesis and Spermatogenesis Exercise

BLM 16.3.11

Complete the activity and questions below.

## Activity

With a partner, use poster board to illustrate the processes of spermatogenesis and oogenesis. Indicate the distribution of genetic material (use four chromosome pairs rather than 23) during spermatogenesis and oogenesis and highlight the differences and similarities between these processes. Divide your poster board in two, as shown in the diagram below, illustrating spermatogenesis on one side and oogenesis on the other side.

Spermatogenesis	Oogenesis			

## Questions

Answer the following questions in the space provided.

1.	Give the number of chromosomes that would be found in each of the following human cells. Would these cells be haploid or diploid?
	a) a secondary oocyte
	b) a zygote
	c) a somatic cell
	d) a spermatid
2.	How many functional gametes are produced by spermatogenesis? By oogenesis?

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Explain the timin							